EXHIBIT A-1

UNITED STATES DISTRICT COURT SOUTHERN DISTRICT OF NEW YORK

FORT WORTH EMPLOYEES'

RETIREMENT FUND, On Behalf of Itself and : All Others Similarly Situated,

Plaintiff,

VS.

J.P. MORGAN CHASE & CO., et al.,

Defendants.

Civil Action No. 1:09-cv-03701-JPO-JCF

CLASS ACTION

NOTICE OF PENDENCY OF CLASS ACTION AND PROPOSED SETTLEMENT AND SETTLEMENT HEARING

EXHIBIT A-1

A Federal Court authorized this Notice. This is not a solicitation from a lawyer.

NOTICE OF PENDENCY OF CLASS ACTION: Please be advised that your rights may be affected by the above-captioned class action lawsuit pending in this Court (the "Action") if, prior to March 12, 2009, you purchased or otherwise acquired any Certificates¹ in any of the Offerings.² CERTAIN PERSONS, SUCH AS PERSONS THAT HAVE SEPARATELY ASSERTED AND/OR PURSUED THEIR CLAIMS AGAINST DEFENDANTS, ARE EXCLUDED FROM THE DEFINITION OF THE CLASS, AS SET FORTH IN DETAIL IN THE STIPULATION AND AGREEMENT OF SETTLEMENT (THE "STIPULATION").

NOTICE OF SETTLEMENT: Please also be advised that the Laborers Pension Trust Fund for Northern California and Construction Laborers Pension Trust for Southern California ("Plaintiffs"), on behalf of the Class (as defined in ¶1 below), have reached a proposed settlement of the Action for a total of \$388 million in cash that will resolve all claims in the Action (the "Settlement").

This Notice explains important rights you may have, including your possible receipt of cash from the Settlement. Your legal rights will be affected whether or not you act. Please read this Notice carefully!

Settlement of a class action lawsuit pending against the following defendants: J.P. Morgan Securities, Inc. (now known as J.P. Morgan Securities LLC), J.P. Morgan Acceptance Corporation I, Brian Bernard, Louis Schioppo Jr., Christine E. Cole, David M. Duzyk, William King, and Edwin F. McMichael ("Defendants") (collectively with Plaintiffs, the "Settling Parties"). The proposed Settlement, if approved by the Court, will apply to the following Class (the "Class"): all persons and entities who, prior to March 12, 2009, purchased or otherwise acquired any Certificates in any of the Offerings. As described in more detail in ¶28 below, certain persons and entities are expressly excluded from the definition of the Class, including but not limited to those who have brought their own individual claims against Defendants as set forth on Appendix 1 to the Stipulation. Anyone with questions as to whether or not they are excluded from the Class may call the Claims Administrator toll-free at (877) 255-1145. Also excluded are those persons or entities who submit a request for exclusion as set forth in ¶49 below.

[&]quot;Certificates" means those Certificates listed (by CUSIP) on Table A to the Plan of Allocation, which is available on the Settlement website, www.JPMorganRMBSlitigation.com. All capitalized terms that are not defined herein shall have the meanings ascribed to them to them in the Stipulation and Agreement of Settlement ("Stipulation").

² "Offerings" means J.P. Morgan Alternative Loan Trust 2007-A2; J.P. Morgan Alternative Loan Trust 2007-S1; J.P. Morgan Mortgage Acquisition Trust 2007-CH3; J.P. Morgan Mortgage Acquisition Trust 2007-CH4; J.P. Morgan Mortgage Acquisition Trust 2007-CH5; J.P. Morgan Mortgage Trust Mortgage 2007-A3; J.P. Morgan Mortgage Trust Mortgage 2007-A4; J.P. Morgan Mortgage Trust Mortgage 2007-S2; and J.P. Morgan Mortgage Trust Mortgage 2007-S3.

- 2. <u>Statement of Class's Recovery:</u> Subject to Court approval, and as described more fully in ¶21-38 below, Plaintiffs, on behalf of the Class, have agreed to settle all Released Claims (as defined in ¶34 below) against Defendants and other Released Parties (as defined in ¶35 below) in exchange for a settlement payment of \$388 million in cash (the "Settlement Amount") to be deposited into an escrow account. The Net Settlement Fund (the Settlement Fund less Taxes and Tax Expenses, Notice and Administration Costs, any reimbursement of expenses to Plaintiffs as awarded by the Court, and attorneys' fees and Litigation Expenses awarded by the Court) will be distributed in accordance with a plan of allocation (the "Plan of Allocation") that will be approved by the Court and will determine how the Net Settlement Fund shall be distributed to Members of the Class. The Plan of Allocation is not intended to be an estimate of the amount that a Class Member might have been able to recover after a trial. It is solely a basis for determining the relative positions of Class Members for purposes of allocating the Net Settlement Fund. The proposed Plan of Allocation is included in this Notice, and may be modified by the Court without further notice.
- Fund consists of the \$388 million Settlement Amount plus interest earned thereon pursuant to \$\frac{1}{2}6\$ of the Stipulation. Based on the total original face value of the Certificates as stated in the prospectus supplements (without subtracting the principal paydowns received on the Certificates) purchased or acquired by potential Class Members, and assuming all potential Class Members elect to participate, the estimated average distribution is \$38.77 per \$1,000 in original face value offered. Class Members may recover more or less than this amount depending on, among other factors, the aggregate value of the Recognized Claims represented by valid and acceptable Claim Forms as explained in the Plan of Allocation appended hereto as Appendix A; when their Certificates were purchased or acquired and the price at the time of purchase; any principal amounts received; whether the Certificates were sold, and if so, when they were sold and for how much; and/or if held on the applicable dates of suit identified in the Plan of Allocation for each of the Certificates, the value of the Certificates on that date. In addition, the actual recovery of Class Members may be further reduced by the payment of fees and costs from the Settlement Fund, as approved by the Court.
- 4. <u>Statement of the Parties' Position on Damages</u>: Defendants deny all claims of wrongdoing, that they engaged in any wrongdoing, that they are liable to Plaintiffs and/or the Class, and that Plaintiffs or other Members of the Class suffered any injury. Moreover, the parties do not agree on the amount of recoverable damages or on the average amount of damages per Certificate that would be recoverable if Plaintiffs were to prevail on each of the claims. The issues on which the parties disagree include, but are not limited to, whether: (1) the statements made or facts allegedly omitted were material, false or misleading; (2) Defendants are otherwise liable under the securities laws for those statements or omissions; and (3) all or part of the damages allegedly suffered by Members of the Class were caused by economic conditions or factors other than the allegedly false or misleading statements or omissions.
- 5. <u>Statement of Attorneys' Fees and Expenses Sought</u>: Lead Counsel will apply to the Court for an award of attorneys' fees from the Settlement Fund in the amount of 25% of the Settlement Amount, plus interest earned at the same rate and for the same period as earned by the Settlement Fund. In addition, Lead Counsel also will apply to the Court for payment from the Settlement Amount for Plaintiffs' Counsel's Litigation Expenses (reasonable costs, expenses, or charges of Plaintiffs' Counsel in connection with commencing and prosecuting the Action), in an

amount not to exceed \$4,885,000.00, plus interest earned at the same rate and for the same period as earned by the Settlement Fund. Expenses may include reimbursement of the costs and expenses of Plaintiffs in accordance with 15 U.S.C. §77z-1(a)(4). Based on the total original face value of the Certificates as stated in the prospectus supplements (without subtracting the principal paydowns received on the Certificates) purchased or acquired by potential Class Members, and assuming all purchasers of the initially offered Certificates elect to participate, if the Court approves Lead Counsel's fee and expense application, the estimated average cost is \$10.18 per \$1,000 of original face value offered. The actual cost may be more or less than this amount depending on, among other factors, the aggregate value of the Recognized Claims represented by valid and acceptable Claim Forms as explained in the Plan of Allocation appended hereto as Appendix A; when their Certificates were purchased or acquired and the price at the time of purchase; any principal amounts received; whether the Certificates were sold, and if so, when they were sold and for how much; and/or if held on the applicable dates of suit identified in the Plan of Allocation for each of the Certificates, the value of the Certificates on that date. The Court will determine the amount of any awarded fees and Litigation Expenses.

6. <u>Identification of Attorneys' Representatives</u>: Plaintiffs and the Class are being represented by Robbins Geller Rudman & Dowd LLP ("Lead Counsel"). Any questions regarding the Settlement should be directed to Daniel S. Drosman, Esq. at Robbins Geller Rudman & Dowd LLP, 655 W. Broadway, Suite 1900, San Diego, CA 92101-3301, (800) 449-4900, DJR@rgrdlaw.com.

YOUR LEGAL RIGHTS AN	D OPTIONS IN THE SETTLEMENT:
DO NOTHING.	Get no payment. Remain a Class Member. Give up
	your rights.
REMAIN A MEMBER OF THE	This is the only way to be potentially eligible to
CLASS AND SUBMIT A CLAIM	receive a payment. If you wish to obtain a payment
FORM POSTMARKED NO LATER	as a Member of the Class, you will need to file a
THAN [], 2015.	claim form (the "Claim Form" or "Proof of Claim
	Form"), which is included with this Notice,
	postmarked no later than, 2015.
EXCLUDE YOURSELF FROM THE	Receive no payment pursuant to this Settlement.
CLASS (OPT OUT) BY	This is the only option that allows you to ever
SUBMITTING A WRITTEN	potentially be part of any other lawsuit against any
REQUEST FOR EXCLUSION SO	of the Defendants or the other Released Parties
THAT IT IS <i>RECEIVED</i> NO LATER	concerning the Released Claims. Should you elect
THAN [], 2015.	to exclude yourself from the Class, you should
	understand that Defendants and the other Released
	Parties will have the right to assert any and all
	defenses they may have to any claims that you may
	seek to assert, including, without limitation, the
	defense that any such claims are untimely under
	applicable statutes of limitations and statutes of
	repose.
OBJECT TO THE SETTLEMENT	Write to the Court about your view on the

SO THAT IT IS <i>RECEIVED</i> NO LATER THAN [], 2015.	Settlement, or why you don't think the Settlement is fair to the Class.
	If you do not exclude yourself from the Class, you may object to the Settlement, the Plan of Allocation, or the request for attorneys' fees and Litigation Expenses. You must still submit a Claim Form in order to be potentially eligible to receive any money from the Settlement Fund.
GO TO THE HEARING ON [], 2015, AT _:M., AND FILE A NOTICE OF INTENTION TO APPEAR SO THAT IT IS RECEIVED NO LATER THAN [], 2015.	Ask to speak in Court about the fairness of the Settlement, the proposed Plan of Allocation, or the request for attorneys' fees and Litigation Expenses.

WHAT THIS NOTICE CONTAINS Why Did I Get This Notice? Page What Is This Case About? What Has Happened So Far? Page How Do I Know If I Am Affected By The Settlement? Page What Are The Plaintiffs' Reasons For The Settlement? Page What Might Happen If There Were No Settlement? Page How Much Will My Payment Be? Page What Rights Am I Giving Up By Agreeing To The Settlement? Page What Payment Are The Attorneys For The Class Seeking? How Will The Lawyers Be Paid? Page How Do I Participate In The Settlement? What Do I Need To Do? Page What If I Do Not Want To Be A Part Of The Settlement? How Do I Exclude Myself? Page

When And Where Will The Court Decide Whether To Approve

The Settlement? Do I Have To Come To The Hearing? May I

Speak At The Hearing If I Don't Like The Settlement? Page

What If I Bought Certificates On Someone Else's Behalf?

Page

Can I See The Court File? Whom Should I Contact If I Have Questions? Page

WHY DID I GET THIS NOTICE?

7. The purpose of this Notice is to inform you about (a) this litigation, (b) the terms of
the proposed Settlement, and (c) your rights in connection with a hearing to be held before the
United States District Court, Southern District of New York (the "Court"), on [], 2015,
at m. to consider the fairness, reasonableness, and adequacy of the Settlement and related
matters. This Notice also describes the steps to be taken by those who wish to be excluded from the
Class and, for those who remain Class Members, the steps necessary to seek to be potentially eligible
to share in the distribution of the Settlement Fund in the event the Settlement is approved by the
Court.

- 8. A class action is a type of lawsuit in which the claims of a number of individuals are resolved together, thus providing the class members with both consistency and efficiency. In a class action lawsuit, the Court selects one or more people, known as class representatives, to sue on behalf of all people with similar claims, commonly known as the class or the class members. (For more information on excluding yourself from the Class, please read "What If I Do Not Want To Be A Part Of The Settlement? How Do I Exclude Myself?" located below.) In the Action, the Court has appointed Plaintiffs as the Class Representatives and Lead Counsel as Class Counsel.
- 9. The Court in charge of this case is the United States District Court for the Southern District of New York, and the case is known as *Fort Worth Employees' Retirement Fund v. J.P. Morgan Chase & Co., et al.*, No. 1:09-cv-03701-JPO-JCF (the "Action"). The judge presiding over this case is the Honorable J. Paul Oetken, United States District Judge. The people who are suing are called plaintiffs, and those who are being sued are called defendants. In this case, the defendants are J.P. Morgan Securities, Inc. (now known as J.P. Morgan Securities LLC), J.P. Morgan Acceptance Corporation I, Brian Bernard, Louis Schioppo Jr., Christine E. Cole, David M. Duzyk, William King, and Edwin F. McMichael.
- 10. This Notice explains the lawsuit, the Settlement, your legal rights, what benefits are available, who is eligible for them, and how to get them. The purpose of this Notice is to inform you of this case, that it is a class action, how you might be affected, and how to exclude yourself from the Settlement if you wish to do so. It also is being sent to inform you of the terms of the proposed Settlement, and of a hearing to be held by the Court to consider the fairness, reasonableness, and adequacy of the proposed Settlement, the proposed Plan of Allocation, and the application by Lead Counsel for attorneys' fees and Litigation Expenses (the "Settlement Hearing").

- 11. The Settlement Hearing will be held on [_____], 2015, at _____.m., before the Honorable J. Paul Oetken, at the United States District Court, Southern District of New York, Thurgood Marshall United States Courthouse, 40 Foley Square, New York, NY 10007, Courtroom 706, for the following purposes:
 - (a) to determine whether the proposed Settlement on the terms and conditions provided for in the Stipulation is fair, reasonable, and adequate and should be approved by the Court;
 - (b) to determine whether the Order and Final Judgment as provided for under the Stipulation should be entered;
 - (c) to determine whether the proposed Plan of Allocation for the net proceeds of the Settlement is fair and reasonable and should be approved by the Court;
 - (d) to determine whether the application by Lead Counsel for an award of attorneys' fees and Litigation Expenses should be approved; and
 - (e) to rule upon such other matters as the Court may deem appropriate.
- 12. This Notice does not express any opinion by the Court concerning the merits of any claim in the Action, and the Court still has to decide whether to approve the Settlement. If the Court approves the Settlement, payments to Authorized Claimants will be made after any appeals are resolved, and after the completion of all claims processing. This process takes time. Please be patient.

WHAT IS THIS CASE ABOUT? WHAT HAS HAPPENED SO FAR?

- 13. On March 12, 2009, a class action complaint was filed against Defendants and certain others, in the Supreme Court of the State of New York, County of New York. The case was subsequently removed to the United States District Court, Southern District of New York.
- 14. This case generally arises from the sale and/or issuance of certain residential mortgage-backed securities by J.P. Morgan entities. Plaintiffs generally alleged that the offering documents for the securities contained false and misleading statements about the underlying borrowers and collateral. Defendants deny that the offering documents contained misstatements and asserted factual and legal defenses.
- 15. On March 10, 2010, the Court appointed the Employees' Retirement System of the Government of the Virgin Islands ("USVI GERS") as lead plaintiff and appointed Robbins Geller Rudman & Dowd LLP (f/k/a Coughlin Stoia Geller Rudman & Robbins LLP) as Lead Counsel. On April 9, 2010, USVI GERS filed the Amended Complaint for Violation of §§11, 12 and 15 of the Securities Act of 1933, alleging claims under the Securities Act of 1933 ("Securities Act") against Defendants and certain others. On July 8, 2010, USVI GERS filed the Second Amended Complaint for Violation of §§11, 12 and 15 of the Securities Act of 1933 (the "Second Amended Complaint"), alleging Securities Act claims against Defendants and certain others, on behalf of a class of all

persons or entities that purchased or otherwise acquired certificates pursuant or traceable to an offering of mortgage loan pass-through certificates issued by J.P. Morgan Alternative Loan Trust 2007-A2; J.P. Morgan Alternative Loan Trust 2007-S1; J.P. Morgan Mortgage Acquisition Trust 2007-CH3; J.P. Morgan Mortgage Acquisition Trust 2007-CH4; J.P. Morgan Mortgage Acquisition Trust 2007-CH5; J.P. Morgan Mortgage Trust Mortgage 2007-A3; J.P. Morgan Mortgage Trust Mortgage 2007-A4; J.P. Morgan Mortgage Trust Mortgage 2007-A5; J.P. Morgan Mortgage Trust Mortgage 2007-A6; J.P. Morgan Mortgage Trust Mortgage 2007-S2; and J.P. Morgan Mortgage Trust Mortgage 2007-S3. On May 10, 2011, the Court entered an Amended Opinion and Order granting in part and denying in part an August 9, 2010 motion to dismiss the Second Amended Complaint made by Defendants and certain others.

- 16. On May 15, 2012, the Court granted USVI GERS's motion to withdraw as lead plaintiff. On July 12, 2012, the Court appointed Plaintiffs as lead plaintiffs and approved Plaintiffs' selection of Robbins Geller Rudman & Dowd LLP as Lead Counsel.
- 17. Following the Second Circuit's decision in *NECA-IBEW Health & Welfare Fund v. Goldman Sachs & Co.*, 693 F.3d 145 (2d Cir. 2012), on October 1, 2012, Plaintiffs moved for reconsideration of the Court's May 10, 2011 Amended Opinion and Order.
- 18. On January 4, 2013, the Court issued an order granting in part and denying in part Plaintiffs' motion for reconsideration and reinstating claims under Section 11 of the Securities Act.
- 19. On September 30, 2014, the Court issued an Opinion and Order granting in part and denying in part Plaintiffs' September 27, 2013 Motion for Class Certification and Appointment of Class Representatives and Class Counsel. The Court certified a class of investors, for purposes of liability only, that, prior to March 12, 2009, purchased or otherwise acquired certificates issued by the following nine trusts: J.P. Morgan Alternative Loan Trust 2007-A2; J.P. Morgan Alternative Loan Trust 2007-CH3; J.P. Morgan Mortgage Acquisition Trust 2007-CH3; J.P. Morgan Mortgage Acquisition Trust 2007-CH5; J.P. Morgan Mortgage Trust Mortgage 2007-A3; J.P. Morgan Mortgage Trust Mortgage 2007-A4; J.P. Morgan Mortgage Trust Mortgage 2007-S2; and J.P. Morgan Mortgage Trust Mortgage 2007-S3. These are the nine offerings that are the subject of this Settlement.
- 20. Lead Counsel conducted extensive investigations related to the claims at issue and the underlying events and transactions alleged in the operative complaint, including through document discovery and obtaining testimony from witnesses. Lead Counsel have analyzed evidence, including a substantial volume of documents produced by Defendants and third parties, have consulted with experts, and have researched the applicable law with respect to the claims of Plaintiffs and the Class, as well as Defendants' potential defenses.

_

The operative complaint, the Second Amended Complaint, lists 11 offerings, but two offerings – J.P. Morgan Mortgage Trust 2007-A5 and J.P. Morgan Mortgage Trust 2007-A6 – are not subject to the Settlement.

21.	On June 4, 2015, after extens	ive arm's-length negotiations, the Settling Parties
reached an ag	greement in principle to settle the A	Action for \$388 million, subject to the negotiation of
a complete se	et of settlement terms. The negotia	ation of the Stipulation was subsequently completed
and filed with	n the Court. By Order entered	, the Court preliminarily approved the
Settlement, a	authorized this Notice to be sen	t to potential Class Members, and scheduled the
Settlement H	earing to consider whether to gra-	nt final approval to the Settlement.

HOW DO I KNOW IF I AM AFFECTED BY THE SETTLEMENT?

If you are a Member of the Class, you are subject to the Settlement unless you timely 22 request to be excluded. The Class consists of all persons and entities who, prior to March 12, 2009, purchased or otherwise acquired any Certificates in any of the Offerings. Excluded from the Class are: (i) Defendants and the other Released Parties and any entity in which any Defendant has or had a controlling interest, except that affiliates and entities in which a Defendant has or had a controlling interest, other than Investment Vehicles (which are excluded only to the extent provided for in the definition of Investment Vehicles), are excluded from the Class only to the extent that such entities themselves had a proprietary interest in the Certificates and not to the extent that they have held the Certificates in a fiduciary capacity or otherwise on behalf of any third-party client, account, fund, trust or employee benefit plan that otherwise falls within the definition of the Class; (ii) originators of any loans underlying the Certificates; and (iii) Persons that have separately asserted or pursued their claims against Defendants asserting claims arising from securities covered by the Class, including by filing individual actions or privately entering into confidential tolling or settlement agreements with Defendants, as such Persons are identified on Appendix 1 to the Stipulation (which appendix is confidential). Also excluded from the Class are any persons or entities who exclude themselves by filing a valid request for exclusion in accordance with the requirements set forth in this Notice. (See "What If I Do Not Want To Participate In The Class And The Settlement? How Do I Exclude Myself?," below.) Anyone with questions as to whether or not they are excluded from the Class may call the Claims Administrator toll-free at (877) 255-1145.

WHAT ARE THE PLAINTIFFS' REASONS FOR THE SETTLEMENT?

23. Plaintiffs and Lead Counsel believe that the claims asserted against Defendants have merit. Plaintiffs and Lead Counsel recognize, however, the expense and length of continued proceedings necessary to pursue their claims against Defendants through trial and appeals, as well as the difficulties in establishing liability and establishing damages. Plaintiffs and Lead Counsel have considered the amount of the Settlement, as well as the uncertain outcome and risk in complex lawsuits like this one.

- 24. In light of the amount of the Settlement and the immediacy of recovery to the Class, Plaintiffs and Lead Counsel believe that the proposed Settlement is fair, reasonable and adequate, and in the best interests of the Class. Plaintiffs and Lead Counsel believe that the Settlement provides a substantial benefit now, namely \$388 million cash (less the various deductions described in this Notice), as compared to the risk that the claims would produce a smaller recovery, or no recovery after summary judgment, trial and appeals, possibly years in the future.
- 25. Defendants have denied and continue to deny each and all of the claims alleged by Plaintiffs in the Action. Defendants expressly have denied and continue to deny all charges of wrongdoing or liability against them arising out of any of the conduct, statements, acts or omissions alleged, or that could have been alleged, in the Action. Defendants also have denied and continue to deny, among other things, the allegations that Plaintiffs or the Class have suffered any damage, or that Plaintiffs or the Class were harmed by the conduct alleged in the Action.

WHAT MIGHT HAPPEN IF THERE WERE NO SETTLEMENT?

26. If there were no Settlement and Plaintiffs failed to establish any essential legal or factual element of the alleged claims, neither Plaintiffs nor the Class would recover anything from Defendants. Also, if Defendants were successful in proving any of their defenses, the Class likely would recover substantially less than the amount provided in the Settlement, or nothing at all.

HOW MUCH WILL MY PAYMENT BE?

- Defendants have agreed to cause to be paid Three Hundred Eighty-Eight Million Dollars (\$388,000,000.00) in cash into escrow for the benefit of the Class. At this time, it is not possible to make any determination as to how much individual Class Members may receive from the Settlement. Plaintiffs have proposed a plan for allocating the Net Settlement Fund to those Class Members who timely submit valid Proof of Claim Forms (the "Plan of Allocation"). The Plan of Allocation proposed by Plaintiffs is attached hereto as Appendix A, and additional information is available on the website created for purposes of this Settlement, www.JPMorganRMBSlitigation.com.
- 28. Payment pursuant to the Plan of Allocation shall be conclusive against all Authorized Claimants. No person or entity shall have any claim based on distributions made substantially in accordance with the Stipulation and the Settlement contained therein, the Plan of Allocation, or further order(s) of the Court against Lead Counsel, Plaintiffs, Plaintiffs' Counsel, Class Members, the Claims Administrator, Defendants and the other Released Parties (defined below), or any person or entity designated by Lead Counsel. All Members of the Class who fail to timely submit an acceptable Claim Form by the deadline set by the Court, or such other deadline as may be ordered by the Court, or otherwise allowed, shall be forever barred from receiving any payments pursuant to the Settlement, but will in all other respects be subject to and bound by the terms of the Settlement, including the release of the Class Member's Released Claims. No distribution will be made to Authorized Claimants who would otherwise receive less than \$10.00.
- 29. The Court has reserved jurisdiction to allow, disallow, or adjust on equitable grounds the claim of any Member of the Class.

- 30. The Plan of Allocation appended hereto is the proposed plan submitted by Plaintiffs and Lead Counsel for the Court's approval. The Court may approve this plan as proposed or it may modify it without further notice to the Class.
- 31. Each Claimant shall be deemed to have submitted to the jurisdiction of the United States District Court for the Southern District of New York with respect to his, her or its Proof of Claim Form.
- 32. Persons and entities that exclude themselves from the Class will not be eligible to receive a distribution from the Net Settlement Fund and should not submit Proof of Claim Forms.

WHAT RIGHTS AM I GIVING UP BY AGREEING TO THE SETTLEMENT?

- 33. If the Settlement is approved, the Court will enter a judgment (the "Judgment"). The Judgment will dismiss with prejudice the claims asserted in the Action against Defendants and will also provide that Plaintiffs and all other Class Members, whether or not such Person submits a Proof of Claim Form, shall be deemed to have released, dismissed and forever discharged the respective Class Member's Released Claims (as defined in ¶34 below), including Unknown claims (as defined in ¶36 below), against each and all of the Released Parties (as defined in ¶35 below), with prejudice.
- 34. "Released Claims" means any and all claims and causes of action of every nature and description, whether known or Unknown, whether arising under federal, state, common or foreign law, that relate to the purchase or other acquisition, ownership or disposition of the Certificates and that Lead Plaintiffs or any other Member of the Class (a) asserted in the Action, or (b) could have asserted in any forum that arise out of or are based upon the allegations, transactions, facts, matters or occurrences, or representations or omissions involved, set forth, or referred to in the Action. "Released Claims" shall not include: (i) claims to enforce the Stipulation; (ii) any direct claims (including contractual, statutory or tort claims) against the trustees, servicers or master servicers of the issuing trusts, except those claims against the Released Parties; (iii) any derivative claims (including contractual, statutory or tort claims) belonging to the issuing trusts; or (iv) any claims belonging to the trustees of the issuing trusts. Nothing herein shall be construed to suggest or imply that any such claims exist or have merit.
- 35. "Released Parties" means: (a) the Defendants; and (b) the Defendants' current and former officers, directors, agents, parents, affiliates (including, but not limited to, former defendants JP Morgan Chase & Co. and J.P. Morgan Mortgage Acquisition Corp.), subsidiaries, successors, predecessors, assigns, assignees, employees, and attorneys, in their respective capacities as such.
- 36. "Unknown" claims means any and all Released Claims that Plaintiffs and/or any Class Member does not know or suspect to exist in his, her or its favor at the time of the release of the Released Parties, and any Released Parties' Claims that the Released Parties do not know or suspect to exist in his, her or its favor, which if known by him, her or it might have affected his, her or its settlement with and release of the Released Parties (or Plaintiffs, as appropriate), or might have affected his, her or its decision not to object to this Settlement or not exclude himself, herself or itself from the Class. With respect to any and all Released Claims and Released Parties' Claims, the parties stipulate and agree that, upon the Effective Date, Plaintiffs and Defendants shall expressly

waive, and each Class Member and Released Party shall be deemed to have waived, and by operation of the Order and Final Judgment shall have expressly waived, to the fullest extent permitted by law, any and all provisions, rights and benefits conferred by Cal. Civ. Code §1542, and any law of any state or territory of the United States, or principle of common law, or the law of any foreign jurisdiction, that is similar, comparable or equivalent to Cal. Civ. Code §1542, which provides:

A general release does not extend to claims which the creditor does not know or suspect to exist in his or her favor at the time of executing the release, which if known by him or her must have materially affected his or her settlement with the debtor.

Plaintiffs and Class Members may hereafter discover facts in addition to or different from those which they know or believe to be true with respect to the subject matter of the Released Claims, but Plaintiffs shall expressly, and each Class Member, upon the Effective Date, shall be deemed to have, and by operation of the Order and Final Judgment shall have, fully, finally and forever settled and released any and all Released Claims, known or Unknown, suspected or unsuspected, contingent or non-contingent, whether or not concealed or hidden, which now exist, or heretofore have existed, upon any theory of law or equity now existing or coming into existence in the future, including conduct which is negligent, reckless, intentional, with or without malice, or a breach of any duty, law or rule, without regard to the subsequent discovery or existence of such different or additional facts. Plaintiffs and Defendants acknowledge, and Class Members and Released Parties by law and operation of the Order and Final Judgment shall be deemed to have acknowledged, that the inclusion of "Unknown" claims in the definition of Released Claims and Released Parties' Claims was separately bargained for and was a material element of the Settlement.

37. The Judgment also will provide that Defendants and each of the other Released Parties shall be deemed to have released, dismissed, and forever discharged all of the Released Parties' Claims against Plaintiffs, Lead Counsel, and any other Class Member. "Released Parties' Claims" means any and all claims and causes of action of every nature and description, whether known or Unknown, whether arising under federal, state, common or foreign law, that arise out of or relate in any way to the institution, prosecution, or settlement of the claims against the Defendants in the Action, except for claims relating to the enforcement of the Settlement, against Plaintiffs, Lead Counsel, or any other Class Member.

WHAT PAYMENT ARE THE ATTORNEYS FOR THE CLASS SEEKING? HOW WILL THE LAWYERS BE PAID?

38. Lead Counsel have not received any payment for their services in pursuing claims against Defendants on behalf of the Class, nor have Lead Counsel been reimbursed or paid for their expenses. Before final approval of the Settlement, Lead Counsel intend to apply to the Court for an award of attorneys' fees to Lead Counsel from the Settlement Fund in the amount of 25% of the Settlement Amount, plus interest earned at the same rate and for the same period as earned by the Settlement Fund. At the same time, Lead Counsel also intend to apply for the payment from the Settlement Amount for Plaintiffs' Counsel's Litigation Expenses (which may also include reimbursement of the reasonable costs and expenses of Plaintiffs directly related to their

representation of the Class in accordance with 15 U.S.C. §77z-1(a)(4)), in an amount not to exceed \$4,885,000.00, plus interest earned at the same rate and for the same period as earned by the Settlement Fund. The Court will determine the amount of the award.

HOW DO I PARTICIPATE IN THE SETTLEMENT? WHAT DO I NEED TO DO?

- 39. If you fall within the definition of the Class as described above, and you are not excluded by the definition of the Class and you do not elect to exclude yourself from the Class, then you are a Class Member, and you will be bound by the proposed Settlement if the Court approves it, and by any judgment or determination of the Court affecting the Class. If you are a Class Member, you must submit a Claim Form and supporting documentation to establish your potential entitlement to share in the proceeds of the Settlement. A Claim Form is included with this Notice, or you may go to the website maintained by the Claims Administrator for the Settlement to request that a Claim Form be mailed to you. The website is www.JPMorganRMBSlitigation.com. You may also request a Claim Form by calling toll-free (877) 255-1145. Copies of the Claim Form can also be downloaded from Lead Counsel's website at www.rgrdlaw.com. Those who exclude themselves from the Class, and those who do not submit timely and valid Claim Forms with adequate supporting documentation, will not be entitled to share in the proceeds of the Settlement unless otherwise ordered by the Court. Please retain all original records of your ownership of, or transactions in the Certificates, as they may be needed to document your Claim.
- 40. As a Class Member, for purposes of the Settlement you are represented by Plaintiffs and Lead Counsel, unless you enter an appearance through counsel of your own choice at your own expense. You are not required to retain your own counsel, but if you choose to do so, such counsel must file a notice of appearance on your behalf and must serve copies of his or her notice of appearance on the attorneys listed in the section entitled, "When and Where Will the Court Decide Whether to Approve the Settlement?" below.
- 41. If you do not wish to remain a Class Member, you may exclude yourself from the Class by following the instructions in the section entitled, "What If I Do Not Want To Be A Part Of The Settlement? How Do I Exclude Myself?" below. If you exclude yourself from the Class, you will not be eligible to receive any benefit from the Settlement and you should not submit a Claim Form but you will retain the right to be a part of any other lawsuit against any of the Released Parties (as defined in ¶36 above) with respect to any of the Released Claims (as defined in ¶35 above).
- 42. If you wish to object to the Settlement or any of its terms, the proposed Plan of Allocation, or Lead Counsel's application for attorneys' fees and Litigation Expenses, and if you do not exclude yourself from the Class, you may present your objections by following the instructions in the section entitled, "When and Where Will the Court Decide Whether to Approve the Settlement?" below. If you exclude yourself from the Class, you are not entitled to submit an objection.

WHAT IF I DO NOT WANT TO BE A PART OF THE SETTLEMENT? HOW DO I EXCLUDE MYSELF?

43. Each Class Member will be bound by all determinations and judgments in this lawsuit, including those concerning the Settlement, whether favorable or unfavorable, unless such

person or entity mails, by first-class mail (or its equivalent outside the U.S.), or otherwise delivers a written request for exclusion from the Class, addressed to JP Morgan RMBS Settlement, c/o Gilardi & Co. LLC, P.O. Box 8040, San Rafael, CA 94912-8040. The exclusion request must be *received* no later than _______, 2015. Each request for exclusion must clearly indicate the name, address and telephone number of the person or entity seeking exclusion, that the sender requests to be excluded from the Class in *Fort Worth Employees' Retirement Fund v. J.P. Morgan Chase & Co., et al.*, No. 1:09-cv-03701-JPO-JCF (S.D.N.Y.), and must be signed by such person. Such persons or entities requesting exclusion are also directed to provide the following information: (i) identity and original face value of Certificates included in the Class definition and the Class Member's transactions therein; (ii) prices or other consideration paid or received for such Certificates; and (iii) whether the Certificates were exchanged or sold, and if so, when, and, if applicable, the sale amount. The request for exclusion shall not be effective unless it provides the required information and is made within the time stated above, or the exclusion is otherwise accepted by the Court.

44. If a person or entity requests to be excluded from the Class, that person or entity will not receive any benefit provided for in the Stipulation.

WHEN AND WHERE WILL THE COURT DECIDE WHETHER TO APPROVE THE SETTLEMENT? DO I HAVE TO COME TO THE HEARING? MAY I SPEAK AT THE HEARING IF I DON'T LIKE THE SETTLEMENT?

- 45. If you do not wish to object in person to the proposed Settlement, the proposed Plan of Allocation, and/or the application for attorneys' fees and Litigation Expenses, you do not need to attend the Settlement Hearing. You can object to or participate in the Settlement without attending the Settlement Hearing.
- 46. The Settlement Hearing will be held on ______, 2015, at _:____.m., before the Honorable J. Paul Oetken, at the United States District Court for the Southern District of New York, Thurgood Marshall United States Courthouse, 40 Foley Square, New York, NY 10007, Courtroom 706. The Court reserves the right to approve the Settlement or the Plan of Allocation at or after the Final Approval Hearing without further notice to the Members of the Class.
- 47. Any Class Member who does not request exclusion such that it is *received* no later than _____, 2015, may object to the Settlement, the Plan of Allocation, or Lead Counsel's request for an award of attorneys' fees and Litigation Expenses. Objections or oppositions must be in writing. You must file any written objection or opposition, together with copies of all other supporting papers and briefs, with the Clerk's Office at the United States District Court for the Southern District of New York at the address set forth below on or before _____, 2015. You must also serve the papers on Lead Counsel for the Class and counsel for the Defendants at the addresses set forth below so that the papers are *received* on or before _____, 2015.

- 13 -

Plaintiffs' initial motion papers in support of these matters will be filed with the Court on or before ______, 2015.

Clerk's Office

UNITED STATES DISTRICT COURT FOR THE SOUTHERN DISTRICT OF NEW YORK THURGOOD MARSHALL UNITED STATES COURTHOUSE 40 Foley Square

New York, NY 10007

Lead Counsel for the Class

ROBBINS GELLER RUDMAN & DOWD LLP Daniel S. Drosman, Esq. 655 W. Broadway, Suite 1900 San Diego, CA 92101

Counsel for Defendants

SULLIVAN & CROMWELL LLP Robert A. Sacks 1888 Century Park East Los Angeles, CA 90067

- 48. Any objection must include: (a) the full name, address, and phone number of the objecting Class Member; (b) a list and documentation of all of the Class Member's transactions involving the Certificates included in the Class definition, including brokerage confirmation receipts or other competent documentary evidence of such transactions, including the amount and date of each purchase or sale and the price paid and/or received, and documentation of any exchange transactions; (c) a written statement of all grounds for the objection accompanied by any legal support for the objection; (d) copies of any papers, briefs or other documents upon which the objection is based; (e) a list of all persons who will be called to testify in support of the objection; (f) a statement of whether the objector intends to appear at the Settlement Hearing; and (g) the objector's signature, even if represented by counsel. Persons who intend to object to the Settlement, the Plan of Allocation, and/or to Lead Counsel's application for an award of attorneys' fees and Litigation Expenses, and desire to present evidence at the Settlement Hearing must include in their written objections the exhibits they intend to introduce into evidence at the Settlement Hearing.
- 49. You may not object to the Settlement or any aspect of it, if you excluded yourself from the Class.
- 50. You may file a written objection without having to appear at the Settlement Hearing. You may not appear at the Settlement Hearing to present your objection, however, unless you first filed and served a written objection in accordance with the procedures described above, unless the Court orders otherwise.
- 51. You are not required to hire an attorney to represent you in making written objections or in appearing at the Settlement Hearing. If you decide to hire an attorney, which will be at your own expense, however, he or she must file a notice of appearance with the Court and serve it on Lead Counsel so that the notice is received on or before , 2015.
- 52. The Settlement Hearing may be adjourned by the Court without further written notice to the Class, other than a posting of the adjournment on the Settlement website, www.JPMorganRMBSlitigation.com. If you intend to attend the Settlement Hearing, you should confirm the date and time with Lead Counsel.

Unless the Court orders otherwise, any Class Member who does not object in the manner described above will be deemed to have waived any objection and shall be forever foreclosed from making any objection to the proposed Settlement, the proposed Plan of Allocation, or Lead Counsel's request for an award of attorneys' fees and

Litigation Expenses. Class Members do not need to appear at the hearing or take any other action to indicate their approval.

WHAT IF I BOUGHT CERTIFICATES ON SOMEONE ELSE'S BEHALF?

Nominees who purchased Certificates for beneficial owners who are Class Members 53. are directed to: (a) request within seven (7) calendar days of receipt of this Notice additional copies of the Notice and the Claim Form from the Claims Administrator for such beneficial owners; or (b) send a list of the names and addresses of such beneficial owners to the Claims Administrator within seven (7) calendar days after receipt of this Notice. If a nominee elects to send the Notice to beneficial owners, such nominee is directed to mail the Notice within seven (7) calendar days of receipt of the additional copies of the Notice from the Claims Administrator, and upon such mailing, the nominee shall send a statement to the Claims Administrator confirming that the mailing was made as directed, and the nominee shall retain the list of names and addresses for use in connection with any possible future notice to the Class. Upon full compliance with these instructions, including the timely mailing of the Notice to beneficial owners, such nominees may seek reimbursement of their reasonable expenses actually incurred in complying with this Order by providing the Claims Administrator with proper documentation supporting the expenses for which reimbursement is sought and reflecting compliance with these instructions, including timely mailing of the Notice, if the nominee elected or elects to do so. Such properly documented expenses incurred by nominees in compliance with the terms of these instructions will be paid from the Settlement Fund. Copies of this Notice may also be obtained by calling toll-free (877) 255-1145, and may be downloaded from the Settlement website, www.JPMorganRMBSlitigation.com or from Lead Counsel's website, www.rgrdlaw.com.

CAN I SEE THE COURT FILE? WHOM SHOULD I CONTACT IF I HAVE QUESTIONS?

54. This Notice contains only a summary of the terms of the proposed Settlement. More detailed information about the matters involved in the Action is available at www.JPMorganRMBSlitigation.com, including, among other documents, copies of the Stipulation and Proof of Claim Form. All inquiries concerning this Notice or the Claim Form should be directed to:

JP Morgan RMBS Settlement c/o Gilardi & Co. LLC P.O. Box 8040 San Rafael, CA 94912-8040 Toll-free number: (877) 255-1145

OR

Daniel S. Drosman, Esq.
ROBBINS GELLER RUDMAN & DOWD LLP
655 W. Broadway, Suite 1900
San Diego, CA 92101
(800) 449-4900
DJR@rgrdlaw.com

Lead Counsel

DO NOT CALL OR WRITE THE COURT OR THE OFFICE OF THE CLERK OF COURT REGARDING THIS NOTICE.

Dated: , 2015	By Order of the Court
· · · · · · · · · · · · · · · · · · ·	United States District Court
	for the Southern District of New York

APPENDIX A

APPENDIX A TO THE NOTICE THE PROPOSED PLAN OF ALLOCATION:

I. GENERAL PROVISIONS

- 1. The Net Settlement Fund will be distributed to eligible Class Members who timely submit valid Proof of Claim Forms under the Plan of Allocation described below, or as otherwise ordered by the Court ("Claimants").
- 2. Your share of the Net Settlement Fund will depend on several considerations, including (a) the aggregate value of the Recognized Claims (defined below) (represented by valid and acceptable Claim Forms) that Class Members submit to the Claims Administrator, relative to the Net Settlement Fund; (b) when your Certificates were purchased or acquired and the price on the date of purchase; (c) any principal payments received; (d) whether your Certificates were sold, and if so, when they were sold and for how much; and/or (e) if held on the applicable dates of suit identified for each of the Certificates, as set forth in Table A¹ (the "Date of Complaint"), the price of the Certificates on that date.
- 3. To determine the amount that a Claimant may recover under the Plan of Allocation, Lead Counsel conferred with a valuation consultant. The proposed Plan of Allocation is generally based upon the statutory measure of damages for claims based on material misrepresentations in the relevant offering documents. For each Claimant, a "Recognized Claim" will be calculated. The calculation of a "Recognized Claim" is not an estimate of the amount that will be paid to Claimants pursuant to the Settlement, which would depend on the total amount of all Recognized Claims submitted by Claimants. The Recognized Claim formula provides the basis for proportionately allocating the Net Settlement Fund among the Claimants. Each Claimant will receive a *pro rata* share of the Net Settlement Fund based on his, her or its Recognized Claim, subject to the \$10.00 minimum threshold mentioned below.
- 4. Class Members are required to include in their Proof of Claim Forms, and to submit the required documentation for, all transactions and holdings in any of the Certificates that they have purchased, held, and are currently holding as of submission of the Proof of Claim Form. Proof of Claim Forms submitted by Class Members that do not include all transactions in the Certificates will be considered deficient and may be ineligible for a recovery in this Settlement.

II. CALCULATION OF RECOGNIZED LOSS OR RECOGNIZED GAIN AMOUNTS

5. A "Recognized Loss Amount" or "Recognized Gain Amount" will be calculated for each Certificate purchased or acquired for which adequate documentation is provided (each an "Eligible Certificate"). The calculation of the Recognized Loss Amount or Recognized Gain Amount will depend on several considerations, including: (a) when such Certificates were purchased or acquired and the price on the date of purchase; (b) any principal payments received; (c) whether your Certificates were sold, and if so, when they were sold and for how much; and/or (d) if held on the Date of Complaint, the price of the Certificates on that date.

1052957_1

¹ Tables A, B and C (described below) are incorporated by reference into this proposed Plan of Allocation, and are available on the Settlement website (www.JPMorganRMBSlitigation.com) or by calling the Claims Administrator toll-free at (877) 255-1145.

- 6. The calculations under this proposed Plan of Allocation use various financial parameters for each Certificate, including:
 - (a) the price of each Certificate, if any, on the applicable Date of Complaint. *See* Table A, available on the Settlement website (www.JPMorganRMBSlitigation.com) or by calling the Claims Administrator toll-free at (877) 255-1145;
 - (b) the portion of original face amount remaining on each Certificate as of various dates between the Certificate's initial offering and the most recent monthly distribution. This portion is commonly referred to as the Certificate's "Factor" and reflects all principal payments received and write-downs incurred; and
 - (c) the portion of original face amount remaining on each Certificate as of various dates between the Certificate's initial offering and the most recent monthly distribution reflecting only principal payments received. This portion is referred to as the Write-Down Free Factor ("WFF"). Tables B and C, which provide, respectively, a complete list of all Factors and WFFs for all Certificates for each relevant date, are also available at www.JPMorganRMBSlitigation.com or by calling the Claims Administrator toll-free at (877) 255-1145.³
- 7. For each calculation of a Recognized Loss Amount or Recognized Gain Amount, the purchase price used for the calculation may not exceed the price at which the Certificate was offered to the public, which prices are set forth in Table A. Thus, if the actual purchase price exceeds the price at which the Certificate was offered to the public, the price at which it was offered to the public will be used as the purchase price.
- 8. If a Claimant has more than one purchase/acquisition or sale of the same Certificate, those transactions will be matched on a first-in-first-out (FIFO) basis. Recognized Gain Amounts on the purchases or acquisitions of the same Certificate will be netted against (used to offset) Recognized Loss Amounts resulting from other purchases or acquisitions of the same Certificate, but will not be used to offset Net Recognized Losses (described further below in paragraph 14 of this Plan) resulting from purchases or acquisitions of different Certificates.
- 9. Notwithstanding any of the other provisions in this proposed Plan of Allocation, for all purchases or acquisitions of Certificates that occurred on or after the applicable Date of Complaint, the Recognized Gain Amount or Recognized Loss Amount is zero.

1052957_1 2

² The Certificates entitle borrowers to principal and interest payments derived from the underlying mortgages. Following a Certificate's offering, the outstanding principal balance may generally be reduced by various methods, including (1) borrowers making principal payments; (2) borrowers prepaying in whole or in part; and/or (3) recognized losses the loans incur. A Certificate's Factor is taken into consideration when allocating the proceeds of the Settlement because it reflects any reductions in outstanding principal balance and directly impacts the remaining value realizable at sale.

³ The Factors reflected in Table B and the WFFs reflected in Table C are presented based on two distinct chronological systems that are appropriate to the distinct purposes for which those tables are used. The Factors in Table B are used with prices to derive the amount of funds expended or realized in market transactions. Those Factors reflect convention used in the market, *i.e.*, the previous month's Factor is used up until the current month's distribution date. The WFFs in Table C are used to attribute the receipt of monthly distributions during the holding period of a Certificate to the correct Claimant. Thus, the time periods associated with the WFFs are derived from the Certificate-specific record date convention, which determines the legal beneficiary of a monthly distribution.

- 10. <u>Certificates Sold Prior To Date Of Complaint</u>: For each Certificate sold prior to the Date of Complaint, the Recognized Loss Amount or Recognized Gain Amount is calculated as follows:
 - a. Step 1: Determine the Original Principal Amount

Original Principal Amount = Original Face Amount of Certificates Purchased x Factor on Date of Purchase x (Purchase Price/100)

The original face amount of the Certificates you purchased and the purchase price can be determined from your records. The "Purchase Price" to be used in this formula is the lesser of (i) the actual price paid, or (ii) the price at which the Certificate was offered to the public. The value of the Factor on the date of your purchase or sale can be found in Table B.

b. Step 2: Determine the Principal Payments Received

Principal Payments Received = Original Face Amount of Certificates Purchased x (WFF on Date of Purchase - WFF on Date of Sale)

The original face amount of the Certificates you purchased can be determined from your records. The WFF on the date of your purchase and the WFF on the date of your sale can be found in Table C.

c. Step 3: Determine the Amount Received on Sale

Amount Received on Sale = Original Face Amount of Certificates Purchased x Factor on Date of Sale x (Sale Price/100)

The original face amount of the Certificates you purchased and the sale price can be determined from your records. The Factor on the date of your sale can be found in Table B.

d. <u>Step 4</u>: Calculate Recognized Loss Amount or Recognized Gain Amount Using the Results of Steps 1-3

Recognized Loss Amount or Recognized Gain Amount = Original Principal Amount - Principal Payments Received - Amount Received on Sale

If this calculation results in a positive number, the result is a "Recognized Loss Amount." If this calculation results in a negative number, it is a "Recognized Gain Amount."

Example 1:⁴ Investor A purchased \$100,000.00 original face amount of Certificate 46630CAB0 (JPMAC 2007-CH4 A-2) on August 13, 2007. The purchase price was \$98.00. On December 30, 2008, Investor A sold its remaining interest in the Certificate. The sales price was \$84.00.

(1) Step 1: Investor A uses Table B to determine that the Factor at the purchase date (August 13, 2007) is 0.949291. Therefore, Original

1052957_1 3

_

⁴ The examples contained herein are for illustration purposes only and investors should not rely on the Certificate prices used (other than prices contained in Table A).

- Principal Amount = $$100,000.00 \times 0.949291 \times (98.00/100) = $93,030.52$.
- (2) Step 2: Investor A uses Table C to determine that the WFFs at the date of purchase and sale are 0.949291 and 0.593954, respectively. Therefore, Principal Payments Received = \$100,000.00 x (0.949291 0.593954) = \$35,533.70.
- (3) Step 3: Investor A uses Table B to determine that the Factor at December 30, 2008 was 0.593954. Therefore, Amount Received on Sale = $$100,000.00 \times 0.593954 \times (84.00/100) = $49,892.14$.
- (4) Step 4: Investor A uses the results of Steps 1-3 to calculate its Recognized Loss or Gain Amount: Original Principal Amount less Principal Payments Received less Amount Received on Sale = \$93,030.52 \$35,533.70 \$49,892.14 = \$7,604.68.

Investor A's Recognized Loss Amount is \$7,604.68.

Note that if a sale did not result in a complete disposition of an investor's ownership in a particular Certificate (*i.e.*, only a portion of the holdings of a Certificate was sold), a Recognized Loss Amount or Recognized Gain Amount, if any, related to the remaining portion of the Certificate will be calculated separately.

11. <u>Certificates Not Sold</u>: For each Certificate not sold (*i.e.*, still held by the Claimant as of the submission of the Proof of Claim), the Recognized Loss Amount or Recognized Gain Amount is calculated using the same steps set forth directly above, except that the calculation proceeds as if the Certificate was sold on the Date of Complaint.

Example 2: Investor B purchased \$100,000.00 original face amount of Certificate 46631NCF4 (JPMMT 2007-S3 1-A-54) on July 25, 2007. The purchase price was \$100.00. Investor B continues to hold this Certificate.

- (1) Step 1: Investor B uses Table B to determine that the Factor at the purchase date (July 25, 2007) is 1.000000. Therefore, Original Principal Amount = $$100,000.00 \times 1.000000 \times (100.00/100) = $100,000.00$.
- (2) Step 2: Investor B uses Table A and Table C to determine that the WFFs at the date of purchase and Date of Complaint (March 12, 2009) are 1.000000 and 0.792091, respectively. Therefore, Principal Payments Received = \$100,000.00 x (1.000000 0.792091) = \$20,790.90.
- (3) Step 3: Investor B uses Table A to determine that the price at the Date of Complaint was \$78.5871. Investor B then uses Table B to determine that the Factor at Date of Complaint (March 12, 2009) was 0.799977. Therefore, Amount Received on Sale = \$100,000.00 x 0.799977 x (78.5871/100) = \$62,867.87.
- (4) Step 4: Investor B uses the results of Steps 1-3 to calculate its Recognized Loss or Gain Amount: Original Principal Amount less

1052957_1 4

Principal Payments Received less Amount Received on Sale = \$100,000.00 - \$20,790.90 - \$62,867.87 = \$16,341.23.

Investor B's Recognized Loss Amount is \$16,341.23.

12. <u>Certificates Sold On Or After Date Of Complaint</u>: For each Certificate that was sold on or after the Date of Complaint, the Recognized Loss Amount or Recognized Gain Amount is calculated using steps similar to those set forth above in Example 2. For Certificates sold on or after the Date of Complaint, the Recognized Loss Amount or Recognized Gain Amount shall be calculated using the greater of the sum of Principal Payments Received and Amount Received on Sale (Steps 2 and 3) as of (i) the Date of Complaint for that Certificate (see Table A); or (ii) the Date of Actual Sale.

Example 3: Investor C purchased \$100,000.00 original face amount of Certificate 466278CC0 (JPALT 2007-A2 4-A-2) on October 15, 2007. The purchase price was \$97.00. On April 5, 2012, Investor C sold its remaining interest in the Certificate. The sales price was \$12.00.

- (1) Step 1: Investor C uses Table B to determine that the Factor at the purchase date (October 15, 2007) is 0.989766. Therefore, Original Principal Amount = \$100,000.00 x 0.989766 x (97.00/100) = \$96,007.30.
- (2) Steps 2 and 3: Investor C conducts independent summations of Principal Payments Received and Amount Received on Sale at both (1) the Date of Complaint; and (2) the Date of Actual Sale. Investor C shall use the greater of the sums in Step 4.
 - (a) Date of Complaint

Investor C first uses Table C to determine that the WFFs at the date of purchase and Date of Complaint (March 12, 2009) are 0.984074 and 0.893904, respectively. Therefore, Principal Payments Received as of the Date of Complaint = $$100,000.00 \times (0.984074 - 0.893904) = $9,017.00$.

Investor C then uses Table A to determine that the price at the Date of Complaint was \$16.9041. Investor C uses Table B to determine that the Factor at the Date of Complaint was 0.901160. Therefore, Amount Received on Sale at Date of Complaint = \$100,000.00 x 0.901160 x (16.9041/100) = \$15,233.30.

The sum of Steps 2 and 3 for the Date of Complaint is \$9,017.00 + \$15,233.30 = \$24,250.30.

(b) Date of Actual Sale

Investor C first uses Table C to determine that the WFFs at the date of purchase and Date of Actual Sale are 0.984074 and 0.673500, respectively. Therefore, Principal Payments Received

1052957_1 5

as of the Date of Actual Sale = $$100,000.00 \times (.984074 - 0.673500) = $31,057.40$.

Investor C then uses the actual sales price of \$12.00. Investor C uses Table B to determine that the Factor at the Date of Actual Sale was 0.417441. Therefore, Amount Received on Sale at Date of Actual Sale = $$100,000.00 \times 0.417441 \times (12.00/100) = $5,009.29$.

The sum of Steps 2 and 3 for the Date of Actual Sale is \$31,057.40 + \$5,009.29 = \$36,066.69.

Investor C shall use \$36,066.69 (rather than \$24,250.30) in Step 4.

(3) Step 4: Investor C uses the results of Steps 1-3 to calculate its Recognized Loss Amount or Recognized Gain Amount.

Original Principal Amount less the greater of the sums from Steps 2 and 3 above (i.e., Principal Payments Received + Amount Received on Sale) = \$96,007.30 - \$36,066.69 = \$59,940.61.

Investor C's Recognized Loss Amount is \$59,940.61.

13. Exchangeable Certificates: The Offerings included classes of Certificates that could be exchanged into and from certain other classes of Certificates that were not sold as of the date of such Offerings (typically referred to as "Exchangeable Certificates") based on predefined certificate exchange relationships described in the relevant offering documents.⁵ For purposes of determining the Recognized Loss Amount or Recognized Gain Amount for an Eligible Certificate that was exchanged by a Claimant, the exchange transaction will not be treated as a separate purchase or sale for which a distinct Recognized Loss Amount or Recognized Gain Amount would be claimed, but will instead be treated as a component of the Recognized Loss Amount or Recognized Gain Amount that is attributable to the Claimant's original acquisition of the Eligible Thus, each leg (pre-exchange and post-exchange) of a Claimant's ownership resulting from the acquisition of an Eligible Certificate will have a Recognized Loss Amount or Recognized Gain Amount that reflects the financial parameters, such as Factor, WFF and price, of that specific component of the total ownership period, and those components will be aggregated to calculate the Recognized Loss Amount or Recognized Gain Amount for the original Eligible Certificate. The exchange transaction will be assumed, both for purposes of calculating the Original Principal Amount of the Certificate exchanged to and the Amount Received from Sale of the Certificate exchanged from, to occur at a price of \$0.00.

The calculation of Recognized Gain Amount or Recognized Loss Amount for Exchangeable Certificates will otherwise be the same as for any other Certificate, as described above. Summary examples of the Recognized Loss Amount or Recognized Gain Amount calculations for Certificates involved in exchange transactions, using the same methodologies set forth above, can be found at www.JPMorganRMBSlitigation.com.

1052957_1

⁵ These Certificates were sold in the following Offerings: JPALT 2007-A2, JPMMT 2007-A3, JPMMT 2007-A4, JPMMT 2007-S2 and JPMMT 2007-S3.

III. CALCULATION OF THE CLAIMANT'S RECOGNIZED CLAIM AND DISTRIBUTION AMOUNT

- 14. For each Certificate, a Claimant's Net Recognized Loss will be calculated by totaling all of the Claimant's Recognized Loss Amounts for a Certificate and subtracting from that total all Recognized Gain Amounts for the same Certificate. If this calculation results in a positive number, that figure will be the Claimant's Net Recognized Loss for that Certificate. If the calculation results in a negative number, the Claimant's Net Recognized Loss for that Certificate will be zero and the Claimant will not receive any recovery from the Net Settlement Fund as a result of its purchases or acquisitions of that Certificate.
- 15. A Claimant's "Recognized Claim" is the sum of all of the Claimant's Net Recognized Losses for all of the Certificates.
- 16. The Net Settlement Fund will be distributed to Claimants on a *pro rata* basis based on the relative size of their Recognized Claims. Specifically, a "Distribution Amount" will be calculated for each Claimant, which shall be the Claimant's Recognized Claim divided by the total Recognized Claims of all Claimants, multiplied by the total amount in the Net Settlement Fund. If any Claimant's Distribution Amount calculates to less than \$10.00, it will not be included in the calculation and no distribution will be made to such Claimant. The Recognized Claims of any Claimants whose Distribution Amounts would be less than \$10.00 are then excluded and the total Recognized Claims of all other Claimants are totaled to determine the *pro rata* Distribution Amounts for the Authorized Claimants who will receive \$10.00 or more.

1052957_1 7

TABLE A

Certificate	CUSIP	<u>Date of</u> Complaint	Offering Price	Date of Complaint Price
J.P. Morgan Alternative Loan Trust 2007-A2 11A1	466278AA6	3/12/2009	\$100.0000	\$35.2793
J.P. Morgan Alternative Loan Trust 2007-A2 11A2	466278AB4	3/12/2009	\$100.0000	\$8.3691
J.P. Morgan Alternative Loan Trust 2007-A2 12A1	466278AC2	3/12/2009	\$100.0000	\$33.7238
J.P. Morgan Alternative Loan Trust 2007-A2 12A2	466278AD0	3/12/2009	\$100.0000	\$75.3328
J.P. Morgan Alternative Loan Trust 2007-A2 12A3	466278AE8	3/12/2009	\$100.0000	\$18.4239
J.P. Morgan Alternative Loan Trust 2007-A2 12A4	466278AF5	3/12/2009	\$100.0000	\$9.9360
J.P. Morgan Alternative Loan Trust 2007-A2 12A5	466278AG3	3/12/2009	\$100.0000	\$27.3122
J.P. Morgan Alternative Loan Trust 2007-A2 12A6	466278CP1	3/12/2009	\$100.0000	\$75.2344
J.P. Morgan Alternative Loan Trust 2007-A2 1M1	466278AH1	3/12/2009	\$100.0000	\$1.1894
J.P. Morgan Alternative Loan Trust 2007-A2 1M2	466278AJ7	3/12/2009	\$100.0000	\$0.9156
J.P. Morgan Alternative Loan Trust 2007-A2 1M3	466278AK4	3/12/2009	\$100.0000	\$0.7362
J.P. Morgan Alternative Loan Trust 2007-A2 1M4	466278AL2	3/12/2009	\$100.0000	\$0.6543
J.P. Morgan Alternative Loan Trust 2007-A2 1M5	466278AM0	3/12/2009	\$100.0000	\$0.5673
J.P. Morgan Alternative Loan Trust 2007-A2 1M6 J.P. Morgan Alternative Loan Trust 2007-A2 1B1	466278AN8	3/12/2009 3/12/2009	\$100.0000 \$100.0000	\$0.5510
J.P. Morgan Alternative Loan Trust 2007-A2 1B1 J.P. Morgan Alternative Loan Trust 2007-A2 1B2	466278AP3 466278AQ1	3/12/2009	\$100.0000	\$0.4769 \$0.1839
J.P. Morgan Alternative Loan Trust 2007-A2 1B2 J.P. Morgan Alternative Loan Trust 2007-A2 2A1	466278AR9	3/12/2009	\$100.0000	\$52.0297
J.P. Morgan Alternative Loan Trust 2007-A2 2A1A	466278AS7	3/12/2009	Ψ100.0000	\$51.8810
J.P. Morgan Alternative Loan Trust 2007-A2 2A1B	466278AT5	3/12/2009		\$0.1490
J.P. Morgan Alternative Loan Trust 2007-A2 2A1C	466278AU2	3/12/2009		\$51.7321
J.P. Morgan Alternative Loan Trust 2007-A2 2A1D	466278AV0	3/12/2009		\$0.2979
J.P. Morgan Alternative Loan Trust 2007-A2 2A1E	466278AW8	3/12/2009		\$51.5831
J.P. Morgan Alternative Loan Trust 2007-A2 2A1F	466278AX6	3/12/2009		\$0.4469
J.P. Morgan Alternative Loan Trust 2007-A2 2A1G	466278AY4	3/12/2009		\$51.4341
J.P. Morgan Alternative Loan Trust 2007-A2 2A1H	466278AZ1	3/12/2009		\$0.5959
J.P. Morgan Alternative Loan Trust 2007-A2 2A1I	466278BA5	3/12/2009		\$51.2851
J.P. Morgan Alternative Loan Trust 2007-A2 2A1J	466278BB3	3/12/2009		\$0.7449
J.P. Morgan Alternative Loan Trust 2007-A2 2A2	466278BC1	3/12/2009	\$100.0000	\$22.6386
J.P. Morgan Alternative Loan Trust 2007-A2 3A1	466278BD9	3/12/2009	\$100.0000	\$51.7549
J.P. Morgan Alternative Loan Trust 2007-A2 3A1A	466278BE7	3/12/2009		\$51.6043
J.P. Morgan Alternative Loan Trust 2007-A2 3A1B	466278BF4	3/12/2009		\$0.1505
J.P. Morgan Alternative Loan Trust 2007-A2 3A1C	466278BG2	3/12/2009		\$51.4538
J.P. Morgan Alternative Loan Trust 2007-A2 3A1D J.P. Morgan Alternative Loan Trust 2007-A2 3A1E	466278BH0 466278BJ6	3/12/2009 3/12/2009		\$0.3011 \$51.3032
J.P. Morgan Alternative Loan Trust 2007-A2 3A1F	466278BK3	3/12/2009		\$0.4516
J.P. Morgan Alternative Loan Trust 2007-A2 3A1G	466278BL1	3/12/2009		\$51.1527
J.P. Morgan Alternative Loan Trust 2007-A2 3A1H	466278BM9	3/12/2009		\$0.6022
J.P. Morgan Alternative Loan Trust 2007-A2 3A1I	466278BN7	3/12/2009		\$51.0021
J.P. Morgan Alternative Loan Trust 2007-A2 3A1J	466278BP2	3/12/2009		\$0.7527
J.P. Morgan Alternative Loan Trust 2007-A2 3A2	466278BQ0	3/12/2009	\$100.0000	\$22.4961
J.P. Morgan Alternative Loan Trust 2007-A2 4A1	466278BR8	3/12/2009	\$100.0000	\$40.0127
J.P. Morgan Alternative Loan Trust 2007-A2 4A1A	466278BS6	3/12/2009		\$39.8278
J.P. Morgan Alternative Loan Trust 2007-A2 4A1B	466278BT4	3/12/2009		\$0.1848
J.P. Morgan Alternative Loan Trust 2007-A2 4A1C	466278BU1	3/12/2009		\$39.6430
J.P. Morgan Alternative Loan Trust 2007-A2 4A1D	466278BV9	3/12/2009		\$0.3697
J.P. Morgan Alternative Loan Trust 2007-A2 4A1E	466278BW7	3/12/2009		\$39.4582
J.P. Morgan Alternative Loan Trust 2007-A2 4A1F	466278BX5	3/12/2009		\$0.5545
J.P. Morgan Alternative Loan Trust 2007-A2 4A1G	466278BY3	3/12/2009		\$39.2733
J.P. Morgan Alternative Loan Trust 2007-A2 4A1H J.P. Morgan Alternative Loan Trust 2007-A2 4A1I	466278BZ0	3/12/2009		\$0.7394
J.P. Morgan Alternative Loan Trust 2007-A2 4A11 J.P. Morgan Alternative Loan Trust 2007-A2 4A1J	466278CA4 466278CB2	3/12/2009 3/12/2009		\$39.0885 \$0.9242
J.P. Morgan Alternative Loan Trust 2007-A2 4A13	466278CC0	3/12/2009	\$100.0000	\$16.9041
J.P. Morgan Alternative Loan Trust 2007-A2 4742	466278CD8	3/12/2009	\$100.0000	\$11.5676
J.P. Morgan Alternative Loan Trust 2007-A2 CB2	466278CE6	3/12/2009	\$100.0000	\$5.9424
J.P. Morgan Alternative Loan Trust 2007-A2 CB3	466278CF3	3/12/2009	\$100.0000	\$4.4088
J.P. Morgan Alternative Loan Trust 2007-S1 A1	466275AA2	3/12/2009	\$100.0000	\$54.7580
J.P. Morgan Alternative Loan Trust 2007-S1 A2	466275AB0	3/12/2009	\$100.0000	\$48.6473
J.P. Morgan Alternative Loan Trust 2007-S1 M1	466275AC8	3/12/2009	\$100.0000	\$2.7709
J.P. Morgan Alternative Loan Trust 2007-S1 M2	466275AD6	3/12/2009	\$100.0000	\$2.8310
J.P. Morgan Alternative Loan Trust 2007-S1 M3	466275AE4	3/12/2009	\$100.0000	\$3.1822
J.P. Morgan Alternative Loan Trust 2007-S1 M4	466275AF1	3/12/2009	\$100.0000	\$3.8739
J.P. Morgan Alternative Loan Trust 2007-S1 M5	466275AG9	3/12/2009	\$100.0000	\$4.7073
J.P. Morgan Alternative Loan Trust 2007-S1 M6	466275AH7	3/12/2009	\$100.0000	\$4.9301
J.P. Morgan Alternative Loan Trust 2007-S1 B1	466275AJ3	3/12/2009	\$100.0000	\$4.9301
J.P. Morgan Alternative Loan Trust 2007-S1 B2	466275AK0	3/12/2009	\$100.0000	\$6.0454
J.P. Morgan Alternative Loan Trust 2007-S1 B3 J.P. Morgan Mortgage Acquisition Trust 2007-CH3 A1A	466275AL8	3/12/2009 3/12/2009	\$100.0000 \$100.0000	\$32.7062 \$61.3017
J.P. Morgan Mortgage Acquisition Trust 2007-CH3 A1A J.P. Morgan Mortgage Acquisition Trust 2007-CH3 A1B	46630XAA6 46630XAB4	3/12/2009	\$100.0000	\$61.3917 \$32.4213
Io.i . Morgan Mortgage Acquisition Trust 2007-CH3 ATD	40030AAD4	3/12/2009	\$100.0000	\$83.6870

			Date of		Date of
	Certificate	CUSIP	Complaint	Offering Price	Complaint Price
	J.P. Morgan Mortgage Acquisition Trust 2007-CH3 A3	46630XAD0	3/12/2009	\$100.0000	\$55.2448
	J.P. Morgan Mortgage Acquisition Trust 2007-CH3 A4 J.P. Morgan Mortgage Acquisition Trust 2007-CH3 A5	46630XAE8 46630XAF5	3/12/2009 3/12/2009	\$100.0000 \$100.0000	\$37.7059 \$31.1397
72 73	J.P. Morgan Mortgage Acquisition Trust 2007-CH3 M1	46630XAG3	3/12/2009	\$100.0000	\$13.3047
74	J.P. Morgan Mortgage Acquisition Trust 2007-CH3 M2	46630XAH1	3/12/2009	\$100.0000	\$8.7664
75	J.P. Morgan Mortgage Acquisition Trust 2007-CH3 M3	46630XAJ7	3/12/2009	\$100.0000	\$6.5053
76	J.P. Morgan Mortgage Acquisition Trust 2007-CH3 M4	46630XAK4	3/12/2009	\$100.0000	\$5.3315
77	J.P. Morgan Mortgage Acquisition Trust 2007-CH3 M5	46630XAL2	3/12/2009	\$100.0000	\$4.8690
78	J.P. Morgan Mortgage Acquisition Trust 2007-CH3 M6	46630XAM0	3/12/2009	\$100.0000	\$5.1126
79	J.P. Morgan Mortgage Acquisition Trust 2007-CH3 M7	46630XAN8	3/12/2009	\$100.0000	\$5.7986
80	J.P. Morgan Mortgage Acquisition Trust 2007-CH3 M8	46630XAP3	3/12/2009	\$100.0000	\$4.9179
81	J.P. Morgan Mortgage Acquisition Trust 2007-CH3 M9	46630XAQ1	3/12/2009	\$100.0000	\$3.4059
82	J.P. Morgan Mortgage Acquisition Trust 2007-CH4 A1	46630CAA2	3/12/2009	\$100.0000	\$56.8881
83	J.P. Morgan Mortgage Acquisition Trust 2007-CH4 A2	46630CAB0	3/12/2009	\$100.0000	\$83.4333
84	J.P. Morgan Mortgage Acquisition Trust 2007-CH4 A3	46630CAC8	3/12/2009	\$100.0000	\$54.9105
85	J.P. Morgan Mortgage Acquisition Trust 2007-CH4 A4	46630CAD6	3/12/2009	\$100.0000	\$37.8541
86	J.P. Morgan Mortgage Acquisition Trust 2007-CH4 A5	46630CAE4	3/12/2009	\$100.0000	\$28.7117
87	J.P. Morgan Mortgage Acquisition Trust 2007-CH4 M1	46630CAF1	3/12/2009	\$100.0000	\$9.3642
88 89	J.P. Morgan Mortgage Acquisition Trust 2007-CH4 M2 J.P. Morgan Mortgage Acquisition Trust 2007-CH4 M3	46630CAG9 46630CAH7	3/12/2009 3/12/2009	\$100.0000 \$100.0000	\$4.7801 \$3.1084
90	J.P. Morgan Mortgage Acquisition Trust 2007-CH4 M4	46630CAH7 46630CAJ3	3/12/2009	\$100.0000	\$2.6290
90	J.P. Morgan Mortgage Acquisition Trust 2007-CH4 M4 J.P. Morgan Mortgage Acquisition Trust 2007-CH4 M5	46630CAJ3	3/12/2009	\$100.0000	\$1.9632
92	J.P. Morgan Mortgage Acquisition Trust 2007-CH4 M6	46630CAL8	3/12/2009	\$100.0000	\$1.6865
93	J.P. Morgan Mortgage Acquisition Trust 2007-CH4 M7	46630CAM6	3/12/2009	\$100.0000	\$1.7358
94	J.P. Morgan Mortgage Acquisition Trust 2007-CH4 M8	46630CAN4	3/12/2009	\$100.0000	\$1.8101
95	J.P. Morgan Mortgage Acquisition Trust 2007-CH4 M9	46630CAP9	3/12/2009	\$100.0000	\$1.8082
96	J.P. Morgan Mortgage Acquisition Trust 2007-CH5 A1	46631KAA3	3/12/2009	\$100.0000	\$62.7709
97	J.P. Morgan Mortgage Acquisition Trust 2007-CH5 A2	46631KAB1	3/12/2009	\$100.0000	\$84.5775
98	J.P. Morgan Mortgage Acquisition Trust 2007-CH5 A3	46631KAC9	3/12/2009	\$100.0000	\$58.1546
99	J.P. Morgan Mortgage Acquisition Trust 2007-CH5 A4	46631KAD7	3/12/2009	\$100.0000	\$37.6098
100	J.P. Morgan Mortgage Acquisition Trust 2007-CH5 A5	46631KAE5	3/12/2009	\$100.0000	\$23.4368
101	J.P. Morgan Mortgage Acquisition Trust 2007-CH5 M1	46631KAF2	3/12/2009	\$100.0000	\$10.1292
102	J.P. Morgan Mortgage Acquisition Trust 2007-CH5 M2	46631KAG0	3/12/2009	\$100.0000	\$4.8991
103	J.P. Morgan Mortgage Acquisition Trust 2007-CH5 M3	46631KAH8	3/12/2009	\$100.0000	\$3.0604
104	3 3 1	46631KAJ4	3/12/2009	\$100.0000	\$2.9095
105	<u> </u>	46631KAK1	3/12/2009	\$100.0000	\$2.6401
	J.P. Morgan Mortgage Acquisition Trust 2007-CH5 M6 J.P. Morgan Mortgage Acquisition Trust 2007-CH5 M7	46631KAL9 46631KAM7	3/12/2009 3/12/2009	\$100.0000 \$100.0000	\$2.9487 \$3.5482
107	J.P. Morgan Mortgage Acquisition Trust 2007-CH5 M7 J.P. Morgan Mortgage Acquisition Trust 2007-CH5 M8	46631KAN5	3/12/2009	\$100.0000	\$3.9837
109	J.P. Morgan Mortgage Acquisition Trust 2007-CH5 M9	46631KAP0	3/12/2009	\$100.0000	\$4.0806
110	3 0 0 1	46630UAA2	3/12/2009	\$100.0000	\$46.8596
111		46630UAB0	3/12/2009	\$100.0000	\$21.9219
112	J.P. Morgan Mortgage Trust 2007-A3 B1	46630UAR5	3/12/2009	\$100.0000	\$4.4755
113		46630UAS3	3/12/2009	\$100.0000	\$1.8736
114	J.P. Morgan Mortgage Trust 2007-A3 B3	46630UAT1	3/12/2009	\$100.0000	\$0.8358
115	J.P. Morgan Mortgage Trust 2007-A3 2A1	46630UAC8	3/12/2009	\$100.0000	\$72.7489
	J.P. Morgan Mortgage Trust 2007-A3 2A2	46630UAD6	3/12/2009	\$100.0000	\$64.3565
	J.P. Morgan Mortgage Trust 2007-A3 2A3	46630UAE4	3/12/2009	\$100.0000	\$64.3514
	J.P. Morgan Mortgage Trust 2007-A3 2A4	46630UAK0	3/12/2009	\$100.0000	\$34.0957
	J.P. Morgan Mortgage Trust 2007-A3 3A1	46630UAL8	3/12/2009	\$100.0000	\$71.0467
	J.P. Morgan Mortgage Trust 2007-A3 3A2	46630UAM6	3/12/2009	\$100.0000	\$72.9575
	J.P. Morgan Mortgage Trust 2007-A3 3A3	46630UAQ7	3/12/2009	\$100.0000	\$30.3857
	J.P. Morgan Mortgage Trust 2007-A3 2A3M J.P. Morgan Mortgage Trust 2007-A3 2A3S	46630UAF1 46630UAG9	3/12/2009 3/12/2009		\$63.8699 \$0.4811
	J.P. Morgan Mortgage Trust 2007-A3 2A35 J.P. Morgan Mortgage Trust 2007-A3 2A3L	46630UAH7	3/12/2009	1	\$63.3888
	J.P. Morgan Mortgage Trust 2007-A3 2A3E J.P. Morgan Mortgage Trust 2007-A3 2A3F	46630UAJ3	3/12/2009	1	\$0.9622
	J.P. Morgan Mortgage Trust 2007-A3 3A2M	46630UAN4	3/12/2009		\$72.5325
	J.P. Morgan Mortgage Trust 2007-A3 3A2S	46630UAP9	3/12/2009	1	\$0.4255
	J.P. Morgan Mortgage Trust 2007-A4 1A1	46631JAA6	3/12/2009	\$100.0000	\$54.7320
	J.P. Morgan Mortgage Trust 2007-A4 1A2	46631JAB4	3/12/2009	\$100.0000	\$27.0566
	J.P. Morgan Mortgage Trust 2007-A4 B1	46631JAT5	3/12/2009	\$100.0000	\$9.2123
	J.P. Morgan Mortgage Trust 2007-A4 B2	46631JAU2	3/12/2009	\$100.0000	\$4.7777
	J.P. Morgan Mortgage Trust 2007-A4 B3	46631JAV0	3/12/2009	\$100.0000	\$2.8213
	J.P. Morgan Mortgage Trust 2007-A4 2A1	46631JAC2	3/12/2009	\$100.0000	\$74.4417
	J.P. Morgan Mortgage Trust 2007-A4 2A2	46631JAD0	3/12/2009	\$100.0000	\$49.8041
	J.P. Morgan Mortgage Trust 2007-A4 2A3	46631JAE8	3/12/2009	\$100.0000	\$45.6544
	J.P. Morgan Mortgage Trust 2007-A4 2A4	46631JAK4	3/12/2009	\$100.0000	\$28.9595
	J.P. Morgan Mortgage Trust 2007-A4 3A2	46631JAM0	3/12/2009	\$100.0000	\$37.3603
	J.P. Morgan Mortgage Trust 2007-A4 3A3	46631JAN8	3/12/2009	\$100.0000	\$72.1615

Certificate	CUSIP	Date of Complaint	Offering Price	Date of Complaint Price
39. J.P. Morgan Mortgage Trust 2007-A4 3A4	46631JAP3	3/12/2009	\$100.0000	\$59.6591
40. J.P. Morgan Mortgage Trust 2007-A4 3A4	46631JAF5	3/12/2009	\$100.0000	\$45.1367
41. J.P. Morgan Mortgage Trust 2007-A4 2A3S	46631JAG3	3/12/2009		\$0.5173
42. J.P. Morgan Mortgage Trust 2007-A4 2A3L	46631JAH1	3/12/2009		\$44.6195
43. J.P. Morgan Mortgage Trust 2007-A4 2A3F	46631JAJ7	3/12/2009		\$1.0345
44. J.P. Morgan Mortgage Trust 2007-A4 3A1	46631JAL2	3/12/2009		\$67.0449
45. J.P. Morgan Mortgage Trust 2007-A4 3A4M	46631JAS7	3/12/2009		\$59.1032
46. J.P. Morgan Mortgage Trust 2007-A4 3A4S	46631JAR9	3/12/2009		\$0.5559
47. J.P. Morgan Mortgage Trust 2007-S2 1A1	46630WAA8	3/12/2009	\$100.0000	\$63.3125
48. J.P. Morgan Mortgage Trust 2007-S2 1A2	46630WAB6	3/12/2009	\$100.0000	\$68.9688
49. J.P. Morgan Mortgage Trust 2007-S2 1A3	46630WAC4	3/12/2009		\$69.5625
50. J.P. Morgan Mortgage Trust 2007-S2 1A4	46630WAD2	3/12/2009	\$100.0000	\$23.4905
51. J.P. Morgan Mortgage Trust 2007-S2 1A5	46630WAE0	3/12/2009	\$0.21875	\$3.8967
52. J.P. Morgan Mortgage Trust 2007-S2 1A6	46630WAF7	3/12/2009	\$100.0000	\$0.0000
53. J.P. Morgan Mortgage Trust 2007-S2 1A7	46630WAG5	3/12/2009	\$100.0000	\$37.2177
54. J.P. Morgan Mortgage Trust 2007-S2 1A8 55. J.P. Morgan Mortgage Trust 2007-S2 1A9	46630WAH3 46630WAJ9	3/12/2009 3/12/2009	\$100.0000 \$100.0000	\$47.9272 \$54.3908
56. J.P. Morgan Mortgage Trust 2007-52 1A9 56. J.P. Morgan Mortgage Trust 2007-S2 1A10	46630WAK6	3/12/2009	\$100.0000	\$38.2724
57. J.P. Morgan Mortgage Trust 2007-S2 1A10	46630WAL4	3/12/2009	\$100.0000	\$67.4007
58. J.P. Morgan Mortgage Trust 2007-52 TAT1	46630WAM2	3/12/2009	\$100.0000	\$86.9006
59. J.P. Morgan Mortgage Trust 2007-52 1A13	46630WAN0	3/12/2009	\$100.0000	\$82.7925
60. J.P. Morgan Mortgage Trust 2007-S2 1A14	46630WAP5	3/12/2009	\$100.0000	\$53.2166
61. J.P. Morgan Mortgage Trust 2007-S2 1A15	46630WAQ3	3/12/2009	,	\$63.5827
52. J.P. Morgan Mortgage Trust 2007-S2 1A16	46630WAR1	3/12/2009	\$100.0000	\$53.0772
63. J.P. Morgan Mortgage Trust 2007-S2 1A17	46630WAS9	3/12/2009	\$2.3750	\$6.8148
54. J.P. Morgan Mortgage Trust 2007-S2 1A18	46630WBP4	3/12/2009	\$100.0000	\$69.3951
55. J.P. Morgan Mortgage Trust 2007-S2 2A1	46630WAT7	3/12/2009	\$100.0000	\$77.0625
66. J.P. Morgan Mortgage Trust 2007-S2 2A2	46630WAU4	3/12/2009	\$100.0000	\$81.0625
J.P. Morgan Mortgage Trust 2007-S2 2A3	46630WAV2	3/12/2009		\$78.6250
58. J.P. Morgan Mortgage Trust 2007-S2 2A4	46630WAW0	3/12/2009	\$100.0000	\$79.1563
69. J.P. Morgan Mortgage Trust 2007-S2 2A5	46630WAX8	3/12/2009	\$100.0000	\$89.0754
70. J.P. Morgan Mortgage Trust 2007-S2 2A6	46630WAY6	3/12/2009	\$100.0000	\$90.9236
71. J.P. Morgan Mortgage Trust 2007-S2 2A7	46630WAZ3	3/12/2009 3/12/2009	\$100.0000	\$70.1942
72. J.P. Morgan Mortgage Trust 2007-S2 3A1 73. J.P. Morgan Mortgage Trust 2007-S2 3A2	46630WBA7 46630WBB5	3/12/2009	\$100.0000 \$100.0000	\$83.2839 \$71.5625
74. J.P. Morgan Mortgage Trust 2007-S2 3A3	46630WBC3	3/12/2009	\$100.0000	\$72.3438
75. J.P. Morgan Mortgage Trust 2007-S2 SAS	46630WBD1	3/12/2009	\$68.0000	\$67.4245
76. J.P. Morgan Mortgage Trust 2007-S2 AX	46630WBE9	3/12/2009	\$15.0000	\$4.1712
77. J.P. Morgan Mortgage Trust 2007-S2 B1	46630WBF6	3/12/2009	\$100.0000	\$27.8665
78. J.P. Morgan Mortgage Trust 2007-S2 B2	46630WBG4	3/12/2009	\$100.0000	\$24.2698
79. J.P. Morgan Mortgage Trust 2007-S2 B3	46630WBH2	3/12/2009	\$100.0000	\$21.5828
80. J.P. Morgan Mortgage Trust 2007-S3 1A1	46631NAA7	3/12/2009	\$100.0000	\$60.6997
B1. J.P. Morgan Mortgage Trust 2007-S3 1A2	46631NAB5	3/12/2009	\$100.0000	\$40.2196
82. J.P. Morgan Mortgage Trust 2007-S3 1A3	46631NAC3	3/12/2009		\$42.3318
B3. J.P. Morgan Mortgage Trust 2007-S3 1A4	46631NAD1	3/12/2009	\$100.0000	\$54.8863
J.P. Morgan Mortgage Trust 2007-S3 1A5	46631NAE9	3/12/2009	\$100.0000	\$40.9547
85. J.P. Morgan Mortgage Trust 2007-S3 1A6	46631NAF6	3/12/2009	\$100.0000	\$44.2198
86. J.P. Morgan Mortgage Trust 2007-S3 1A7	46631NAG4	3/12/2009	\$100.0000	\$30.1484
87. J.P. Morgan Mortgage Trust 2007-S3 1A8 88. J.P. Morgan Mortgage Trust 2007-S3 1A9	46631NAH2	3/12/2009	¢100 0000	\$63.5625
88. J.P. Morgan Mortgage Trust 2007-S3 1A9 89. J.P. Morgan Mortgage Trust 2007-S3 1A10	46631NAJ8 46631NAK5	3/12/2009 3/12/2009	\$100.0000	\$35.5921 \$61.9938
90. J.P. Morgan Mortgage Trust 2007-S3 1A10	46631NAL3	3/12/2009	\$100.0000	\$83.0431
91. J.P. Morgan Mortgage Trust 2007-53 1A11	46631NAM1	3/12/2009	\$100.0000	\$35.1688
92. J.P. Morgan Mortgage Trust 2007-S3 1A12	46631NAN9	3/12/2009	\$100.0000	\$107.3898
93. J.P. Morgan Mortgage Trust 2007-S3 1A14	46631NAP4	3/12/2009	\$100.0000	\$40.3504
94. J.P. Morgan Mortgage Trust 2007-S3 1A15	46631NAQ2	3/12/2009	\$100.0000	\$27.8878
95. J.P. Morgan Mortgage Trust 2007-S3 1A16	46631NAR0	3/12/2009	\$100.0000	\$108.6947
96. J.P. Morgan Mortgage Trust 2007-S3 1A17	46631NAS8	3/12/2009		\$43.6581
97. J.P. Morgan Mortgage Trust 2007-S3 1A18	46631NAT6	3/12/2009	\$100.0000	\$34.6710
98. J.P. Morgan Mortgage Trust 2007-S3 1A19	46631NAU3	3/12/2009	\$2.46667	\$6.9887
99. J.P. Morgan Mortgage Trust 2007-S3 1A20	46631NAV1	3/12/2009	\$100.0000	\$28.4818
00. J.P. Morgan Mortgage Trust 2007-S3 1A21	46631NAW9	3/12/2009	\$100.0000	\$108.6947
01. J.P. Morgan Mortgage Trust 2007-S3 1A22	46631NAX7	3/12/2009	\$100.0000	\$83.8127
D2. J.P. Morgan Mortgage Trust 2007-S3 1A23	46631NAY5	3/12/2009	\$100.0000	\$60.6958
D3. J.P. Morgan Mortgage Trust 2007-S3 1A24	46631NAZ2	3/12/2009	\$100.0000	\$53.0294
04. J.P. Morgan Mortgage Trust 2007-S3 1A25 05. J.P. Morgan Mortgage Trust 2007-S3 1A26	46631NBA6	3/12/2009 3/12/2009	\$100.0000 \$100.0000	\$30.8427 \$25.1559
06. J.P. Morgan Mortgage Trust 2007-53 1A26	46631NBB4 46631NBC2	3/12/2009	\$100.0000	\$25.1559 \$108.6947
	+0031NDC2	0/12/2003	Ψ100.0000	w 100.034/

Contificato	CHEID	Date of	Offering Price	Date of
Certificate OS LB Morgan Mortgage Trust 2007 S3 1A20	<u>CUSIP</u> 46631NBE8	<u>Complaint</u> 3/12/2009	Offering Price \$0.03125	\$0.0293
08. J.P. Morgan Mortgage Trust 2007-S3 1A29 09. J.P. Morgan Mortgage Trust 2007-S3 1A30	46631NBE8 46631NBF5	3/12/2009	\$0.03125	\$0.0293 \$77.5430
10. J.P. Morgan Mortgage Trust 2007-S3 1A30	46631NBG3	3/12/2009	\$100.0000	\$48.1910
11. J.P. Morgan Mortgage Trust 2007-S3 1A31	46631NBH1	3/12/2009	\$100.0000	\$42.0782
12. J.P. Morgan Mortgage Trust 2007-S3 1A33	46631NBJ7	3/12/2009	\$100.0000	\$40.4817
13. J.P. Morgan Mortgage Trust 2007-S3 1A34	46631NBK4	3/12/2009	\$100.0000	\$40.3504
14. J.P. Morgan Mortgage Trust 2007-S3 1A35	46631NBL2	3/12/2009	,	\$58.5625
15. J.P. Morgan Mortgage Trust 2007-S3 1A36	46631NBM0	3/12/2009		\$29.0420
16. J.P. Morgan Mortgage Trust 2007-S3 1A37	46631NBN8	3/12/2009		\$109.9853
17. J.P. Morgan Mortgage Trust 2007-S3 1A38	46631NBP3	3/12/2009		\$41.5503
18. J.P. Morgan Mortgage Trust 2007-S3 1A39	46631NBQ1	3/12/2009	\$2.49342	\$6.9889
19. J.P. Morgan Mortgage Trust 2007-S3 1A40	46631NBR9	3/12/2009	\$100.0000	\$35.0612
20. J.P. Morgan Mortgage Trust 2007-S3 1A41	46631NBS7	3/12/2009	\$1.84375	\$6.7511
21. J.P. Morgan Mortgage Trust 2007-S3 1A42	46631NBT5	3/12/2009		\$43.6581
22. J.P. Morgan Mortgage Trust 2007-S3 1A43	46631NBU2	3/12/2009		\$28.2125
23. J.P. Morgan Mortgage Trust 2007-S3 1A44	46631NBV0	3/12/2009		\$109.9853
24. J.P. Morgan Mortgage Trust 2007-S3 1A45	46631NBW8	3/12/2009		\$43.6581
25. J.P. Morgan Mortgage Trust 2007-S3 1A46	46631NBX6	3/12/2009		\$28.2125
26. J.P. Morgan Mortgage Trust 2007-S3 1A47 27. J.P. Morgan Mortgage Trust 2007-S3 1A48	46631NBY4 46631NBZ1	3/12/2009 3/12/2009		\$109.9853 \$52.9530
28. J.P. Morgan Mortgage Trust 2007-S3 1A48	46631NBZ1 46631NCA5	3/12/2009	\$100.0000	\$52.9530 \$28.1480
29. J.P. Morgan Mortgage Trust 2007-S3 1A49	46631NCB3	3/12/2009	\$100.0000	\$28.1480 \$145.7507
30. J.P. Morgan Mortgage Trust 2007-53 1A50	46631NCC1	3/12/2009	ψ100.0000	\$44.5487
31. J.P. Morgan Mortgage Trust 2007-S3 1A52	46631NCD9	3/12/2009		\$27.8771
32. J.P. Morgan Mortgage Trust 2007-S3 1A53	46631NCE7	3/12/2009		\$147.5273
33. J.P. Morgan Mortgage Trust 2007-S3 1A54	46631NCF4	3/12/2009	\$100.0000	\$78.5871
34. J.P. Morgan Mortgage Trust 2007-S3 1A55	46631NCG2	3/12/2009	\$100.0000	\$51.9113
35. J.P. Morgan Mortgage Trust 2007-S3 1A56	46631NCH0	3/12/2009	\$100.0000	\$43.4136
36. J.P. Morgan Mortgage Trust 2007-S3 1A57	46631NCJ6	3/12/2009	\$100.0000	\$39.5538
37. J.P. Morgan Mortgage Trust 2007-S3 1A58	46631NCK3	3/12/2009	\$100.0000	\$38.1758
38. J.P. Morgan Mortgage Trust 2007-S3 1A59	46631NCL1	3/12/2009	\$100.0000	\$50.8634
39. J.P. Morgan Mortgage Trust 2007-S3 1A60	46631NCM9	3/12/2009	\$100.0000	\$34.1355
40. J.P. Morgan Mortgage Trust 2007-S3 1A61	46631NCN7	3/12/2009	\$3.36816	\$7.8001
41. J.P. Morgan Mortgage Trust 2007-S3 1A62	46631NCP2	3/12/2009	\$100.0000	\$27.9737
42. J.P. Morgan Mortgage Trust 2007-S3 1A63	46631NCQ0	3/12/2009	\$2.71875	\$7.7997
43. J.P. Morgan Mortgage Trust 2007-S3 1A64	46631NCR8	3/12/2009		\$65.9688
44. J.P. Morgan Mortgage Trust 2007-S3 1A65	46631NCS6	3/12/2009	_	\$41.3302
45. J.P. Morgan Mortgage Trust 2007-S3 1A66 46. J.P. Morgan Mortgage Trust 2007-S3 1A67	46631NCT4 46631NCU1	3/12/2009 3/12/2009		\$41.2493 \$33.7881
47. J.P. Morgan Mortgage Trust 2007-S3 1A67	46631NCV9	3/12/2009	+	\$33.9555
48. J.P. Morgan Mortgage Trust 2007-53 1A69	46631NCW7	3/12/2009		\$7.9790
49. J.P. Morgan Mortgage Trust 2007-S3 1A70	46631NCX5	3/12/2009		\$8.1470
50. J.P. Morgan Mortgage Trust 2007-S3 1A71	46631NCY3	3/12/2009		\$73.6536
51. J.P. Morgan Mortgage Trust 2007-S3 1A72	46631NCZ0	3/12/2009		\$41.0295
52. J.P. Morgan Mortgage Trust 2007-S3 1A73	46631NDA4	3/12/2009		\$70.0570
53. J.P. Morgan Mortgage Trust 2007-S3 1A74	46631NDB2	3/12/2009		\$37.0126
54. J.P. Morgan Mortgage Trust 2007-S3 1A75	46631NDC0	3/12/2009		\$67.2143
55. J.P. Morgan Mortgage Trust 2007-S3 1A76	46631NDD8	3/12/2009		\$74.7385
56. J.P. Morgan Mortgage Trust 2007-S3 1A77	46631NDE6	3/12/2009		\$40.2119
57. J.P. Morgan Mortgage Trust 2007-S3 1A78	46631NDF3	3/12/2009		\$71.2182
58. J.P. Morgan Mortgage Trust 2007-S3 1A79	46631NDG1	3/12/2009		\$38.7411
59. J.P. Morgan Mortgage Trust 2007-S3 1A80	46631NDH9	3/12/2009		\$68.1981
60. J.P. Morgan Mortgage Trust 2007-S3 1A81	46631NDJ5	3/12/2009	1	\$41.3567
61. J.P. Morgan Mortgage Trust 2007-S3 1A82	46631NDK2	3/12/2009	1	\$7.1280
62. J.P. Morgan Mortgage Trust 2007-S3 1A83 63. J.P. Morgan Mortgage Trust 2007-S3 1A84	46631NDL0	3/12/2009 3/12/2009	1	\$41.7437 \$6.7410
64. J.P. Morgan Mortgage Trust 2007-S3 1A84	46631NDM8 46631NDN6	3/12/2009		\$6.7410
65. J.P. Morgan Mortgage Trust 2007-53 1A85	46631NDN6 46631NDP1	3/12/2009	1	\$41.9185
66. J.P. Morgan Mortgage Trust 2007-53 1A66	46631NDQ9	3/12/2009		\$53.9291
67. J.P. Morgan Mortgage Trust 2007-S3 1A88	46631NDR7	3/12/2009		\$48.7433
68. J.P. Morgan Mortgage Trust 2007-S3 1A89	46631NDS5	3/12/2009	1	\$6.7654
69. J.P. Morgan Mortgage Trust 2007-S3 1A90	46631NDT3	3/12/2009		\$63.6250
70. J.P. Morgan Mortgage Trust 2007-S3 1A91	46631NDU0	3/12/2009		\$50.6250
71. J.P. Morgan Mortgage Trust 2007-S3 1A92	46631NDV8	3/12/2009		\$40.5606
72. J.P. Morgan Mortgage Trust 2007-S3 1A93	46631NDW6	3/12/2009	\$100.0000	\$38.4135
73. J.P. Morgan Mortgage Trust 2007-S3 1A94	46631NDX4	3/12/2009	\$100.0000	\$38.4135
74. J.P. Morgan Mortgage Trust 2007-S3 1A95	46631NDY2	3/12/2009	\$100.0000	\$48.5625
75. J.P. Morgan Mortgage Trust 2007-S3 1A96	46631NDZ9	3/12/2009		\$63.5625
76. J.P. Morgan Mortgage Trust 2007-S3 1A97	46631NEA3	3/12/2009		\$63.5625

Case 1:09-cv-03701-JPO-JCF Document 361-2 Filed 07/17/15 Page 32 of 1242

		Date of		Date of
<u>Certificate</u>	CUSIP	Complaint	Offering Price	Complaint Price
277. J.P. Morgan Mortgage Trust 2007-S3 1A98	46631NEB1	3/12/2009		\$38.3947
278. J.P. Morgan Mortgage Trust 2007-S3 1A99	46631NEC9	3/12/2009		\$45.2586
279. J.P. Morgan Mortgage Trust 2007-S3 A100	46631NED7	3/12/2009		\$99.6515
280. J.P. Morgan Mortgage Trust 2007-S3 A101	46631NEE5	3/12/2009		\$70.4410
281. J.P. Morgan Mortgage Trust 2007-S3 A102	46631NEF2	3/12/2009		\$30.6781
282. J.P. Morgan Mortgage Trust 2007-S3 A103	46631NEG0	3/12/2009		\$39.3279
283. J.P. Morgan Mortgage Trust 2007-S3 A104	46631NEH8	3/12/2009		\$43.1664
284. J.P. Morgan Mortgage Trust 2007-S3 A105	46631NEJ4	3/12/2009		\$40.4041
285. J.P. Morgan Mortgage Trust 2007-S3 A106	46631NEK1	3/12/2009		\$41.9647
286. J.P. Morgan Mortgage Trust 2007-S3 A107	46631NEL9	3/12/2009		\$43.5253
287. J.P. Morgan Mortgage Trust 2007-S3 A108	46631NEM7	3/12/2009		\$45.0859
288. J.P. Morgan Mortgage Trust 2007-S3 A109	46631NEN5	3/12/2009		\$46.6465
289. J.P. Morgan Mortgage Trust 2007-S3 A110	46631NEP0	3/12/2009		\$48.2071
290. J.P. Morgan Mortgage Trust 2007-S3 A111	46631NEQ8	3/12/2009		\$49.7677
291. J.P. Morgan Mortgage Trust 2007-S3 A112	46631NER6	3/12/2009		\$51.1754
292. J.P. Morgan Mortgage Trust 2007-S3 A113	46631NES4	3/12/2009		\$28.6560
293. J.P. Morgan Mortgage Trust 2007-S3 A114	46631NET2	3/12/2009		\$60.0681
294. J.P. Morgan Mortgage Trust 2007-S3 2A1	46631NEX3	3/12/2009	\$100.0000	\$73.0625
295. J.P. Morgan Mortgage Trust 2007-S3 2A2	46631NEY1	3/12/2009	\$100.0000	\$73.6250
296. J.P. Morgan Mortgage Trust 2007-S3 2A3	46631NEZ8	3/12/2009	\$100.0000	\$72.1563
297. J.P. Morgan Mortgage Trust 2007-S3 2A4	46631NFA2	3/12/2009	\$100.0000	\$54.5987
298. J.P. Morgan Mortgage Trust 2007-S3 AX	46631NFC8	3/12/2009	\$9.0000	\$8.3660
299. J.P. Morgan Mortgage Trust 2007-S3 AP	46631NFB0	3/12/2009	\$68.0000	\$56.7839
300. J.P. Morgan Mortgage Trust 2007-S3 B1	46631NFD6	3/12/2009	\$100.0000	\$31.0857
301. J.P. Morgan Mortgage Trust 2007-S3 B2	46631NFE4	3/12/2009	\$100.0000	\$15.9425
302. J.P. Morgan Mortgage Trust 2007-S3 B3	46631NFF1	3/12/2009	\$100.0000	\$10.1921

Note: Certificates without an Offering Price are Exchangeable Certificates.

TABLE B

JP Morgan Alternative Loan Trust 2007-A2

11A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997234
Jul 25, 2007	Aug 24, 2007	0.987959
Aug 27, 2007	Sep 24, 2007	0.979387
Sep 25, 2007	Oct 24, 2007	0.966980
Oct 25, 2007	Nov 23, 2007	0.955784
Nov 26, 2007	Dec 24, 2007	0.947170
Dec 26, 2007	Jan 24, 2008	0.938462
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	0.931339
Mar 25, 2008	Apr 24, 2008	0.926710
Apr 25, 2008	May 23, 2008	0.916833
May 27, 2008	Jun 24, 2008	0.906457
Jun 25, 2008	Jul 24, 2008	0.896629
Jul 25, 2008	Aug 22, 2008	0.888296
-		0.883904
Aug 25, 2008	Sep 24, 2008	0.872204
Sep 25, 2008	Oct 24, 2008	0.863858
Oct 27, 2008	Nov 24, 2008	0.855944
Nov 25, 2008	Dec 24, 2008	0.845463
Dec 26, 2008	Jan 23, 2009	0.839605
Jan 26, 2009	Feb 24, 2009	0.828058
Feb 25, 2009	Mar 24, 2009	0.823727
Mar 25, 2009	Apr 24, 2009	0.811876
Apr 27, 2009	May 22, 2009	0.805758
May 26, 2009	Jun 24, 2009	0.796839
Jun 25, 2009	Jul 24, 2009	0.785206
Jul 27, 2009	Aug 24, 2009	0.767043
Aug 25, 2009	Sep 24, 2009	0.756116
Sep 25, 2009	Oct 23, 2009	0.749145
Oct 26, 2009	Nov 24, 2009	0.740185
Nov 25, 2009	Dec 24, 2009	0.730033
Dec 28, 2009	Jan 22, 2010	0.721350
Jan 25, 2010	Feb 24, 2010	0.714780
Feb 25, 2010	Mar 24, 2010	0.708965
Mar 25, 2010	Apr 23, 2010	0.703796
Apr 26, 2010	May 24, 2010	0.691826
May 25, 2010	Jun 24, 2010	0.687611
Jun 25, 2010	Jul 23, 2010	0.679431
Jul 26, 2010	Aug 24, 2010	0.668923
Aug 25, 2010	Sep 24, 2010	0.663012
Sep 27, 2010	Oct 22, 2010	0.654386
Oct 25, 2010	Nov 24, 2010	0.647043
Nov 26, 2010	Dec 23, 2010	0.638323
Dec 27, 2010	Jan 24, 2011	0.631310
Jan 25, 2011	Feb 24, 2011	0.629147
Feb 25, 2011	Mar 24, 2011	0.623638
Mar 25, 2011	Apr 22, 2011	0.616446
Apr 25, 2011	May 24, 2011	0.612389
May 25, 2011	Jun 24, 2011	0.610412
Jun 27, 2011	Jul 22, 2011	0.601717
Jul 25, 2011	Aug 24, 2011	0.596347

JP Morgan Alternative Loan Trust 2007-A2

11A1 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.589356
Sep 26, 2011	Oct 24, 2011	0.585220
Oct 25, 2011	Nov 23, 2011	0.583787
Nov 25, 2011	Dec 23, 2011	0.579394
Dec 27, 2011	Jan 24, 2012	0.577426
Jan 25, 2012	Feb 24, 2012	0.572238
Feb 27, 2012	Mar 23, 2012	0.570715
Mar 26, 2012	Apr 24, 2012	0.566167
Apr 25, 2012	May 24, 2012	0.565738
May 25, 2012	Jun 22, 2012	0.563310
Jun 25, 2012	Jul 24, 2012	0.558113
Jul 25, 2012	Aug 24, 2012	0.553594
Aug 27, 2012	Sep 24, 2012	0.549394
Sep 25, 2012	Oct 24, 2012	0.547094
Oct 25, 2012	Nov 23, 2012	0.543951
Nov 26, 2012	Dec 24, 2012	0.540885
Dec 26, 2012	Jan 24, 2013	0.535063
Jan 25, 2013	Feb 22, 2013	0.531227
Feb 25, 2013	Mar 22, 2013	0.527889
Mar 25, 2013	Apr 24, 2013	0.525366
Apr 25, 2013	May 24, 2013	0.521927
May 28, 2013	Jun 24, 2013	0.517341
Jun 25, 2013	Jul 24, 2013	0.513668
Jul 25, 2013	Aug 23, 2013	0.510302
Aug 26, 2013	Sep 24, 2013	0.506566
Sep 25, 2013	Oct 24, 2013	0.504470
Oct 25, 2013	Nov 22, 2013	0.503232
Nov 25, 2013	Dec 24, 2013	0.501031
Dec 26, 2013	Jan 24, 2014	0.497553
Jan 27, 2014	Feb 24, 2014	0.494813
Feb 25, 2014	Mar 24, 2014	0.492641
Mar 25, 2014	Apr 24, 2014	0.489161
Apr 25, 2014	May 23, 2014	0.485745
May 27, 2014	Jun 24, 2014	0.480180
Jun 25, 2014	Jul 24, 2014	0.476723
Jul 25, 2014	Aug 22, 2014	0.473311
Aug 25, 2014	Sep 24, 2014	0.472288
Sep 25, 2014	Oct 24, 2014	0.471264
Oct 27, 2014	Nov 24, 2014	0.469540
Nov 25, 2014	Dec 24, 2014	0.468697
Dec 26, 2014	Jan 23, 2015	0.466972
Jan 26, 2015	Feb 24, 2015	0.465132
Feb 25, 2015	Mar 24, 2015	0.461998
Mar 25, 2015	Apr 24, 2015	0.460907
Apr 27, 2015	May 22, 2015	0.459850
May 26, 2015	Jun 24, 2015	0.457714
Jun 25, 2015		0.453173

JP Morgan Alternative Loan Trust 2007-A2

11A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997234
Jul 25, 2007	Aug 24, 2007	0.987959
Aug 27, 2007	Sep 24, 2007	0.979387
Sep 25, 2007	Oct 24, 2007	0.979387
Oct 25, 2007	Nov 23, 2007	0.979387
Nov 26, 2007	Dec 24, 2007	0.979387
Dec 26, 2007	Jan 24, 2008	0.979387
Jan 25, 2008	Feb 22, 2008	0.979387
Feb 25, 2008	Mar 24, 2008	0.979387
Mar 25, 2008	Apr 24, 2008	0.979387
Apr 25, 2008	May 23, 2008	0.979387
May 27, 2008	Jun 24, 2008	0.979387
Jun 25, 2008	Jul 24, 2008	0.979387
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	0.979387
Sep 25, 2008	Oct 24, 2008	0.979387
Oct 27, 2008	Nov 24, 2008	0.979387
Nov 25, 2008	Dec 24, 2008	0.979387
Dec 26, 2008	Jan 23, 2009	0.979387
Jan 26, 2009	Feb 24, 2009	0.979387
Feb 25, 2009	Mar 24, 2009	0.979387
Mar 25, 2009	Apr 24, 2009	0.979387
Apr 27, 2009	May 22, 2009	0.979387
May 26, 2009	Jun 24, 2009	0.979387
Jun 25, 2009	Jul 24, 2009	0.979387
		0.979387
Jul 27, 2009	Aug 24, 2009	0.979387
Aug 25, 2009 Sep 25, 2009	Sep 24, 2009 Oct 23, 2009	0.979387
Oct 26, 2009	Nov 24, 2009	0.979387
Nov 25, 2009	Dec 24, 2009	0.979387
Dec 28, 2009	Jan 22, 2010	0.979387
Jan 25, 2010	Feb 24, 2010	0.979387
Feb 25, 2010	Mar 24, 2010	0.979387
Mar 25, 2010	Apr 23, 2010	0.979387
Apr 26, 2010	May 24, 2010	0.979387
May 25, 2010	Jun 24, 2010	0.965124
Jun 25, 2010	Jul 23, 2010	0.940456
Jul 26, 2010	Aug 24, 2010	0.907242
Aug 25, 2010	Sep 24, 2010	0.876159
Sep 27, 2010	Oct 22, 2010	0.847196
Oct 25, 2010	Nov 24, 2010	0.767609
Nov 26, 2010	Dec 23, 2010	0.634747 0.465484
Dec 27, 2010	Jan 24, 2011	
Jan 25, 2011	Feb 24, 2011	0.449803 0.401032
Feb 25, 2011	Mar 24, 2011	0.377257
Mar 25, 2011	Apr 22, 2011	0.319643
Apr 25, 2011	May 24, 2011	0.300006
May 25, 2011	Jun 24, 2011	0.266866
Jun 27, 2011	Jul 22, 2011	0.245628
Jul 25, 2011	Aug 24, 2011	0.108478

11A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.045816
Sep 26, 2011	Oct 24, 2011	0.024207
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

12A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.995037
Jul 25, 2007	Aug 24, 2007	0.983257
Aug 27, 2007	Sep 24, 2007	0.966062
Sep 25, 2007	Oct 24, 2007	0.951661
Oct 25, 2007	Nov 23, 2007	0.941552
Nov 26, 2007	Dec 24, 2007	0.931877
Dec 26, 2007	Jan 24, 2008	0.927293
Jan 25, 2008	Feb 22, 2008	0.919582
Feb 25, 2008	Mar 24, 2008	0.912266
Mar 25, 2008	Apr 24, 2008	0.899757
Apr 25, 2008	May 23, 2008	0.893150
May 27, 2008	Jun 24, 2008	0.877893
Jun 25, 2008	Jul 24, 2008	0.865307
Jul 25, 2008	Aug 22, 2008	0.854203
Aug 25, 2008	Sep 24, 2008	0.845919
Sep 25, 2008	Oct 24, 2008	0.835559
Oct 27, 2008	Nov 24, 2008	0.822822
Nov 25, 2008	Dec 24, 2008	
Dec 26, 2008	Jan 23, 2009	0.812813 0.796847
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	0.785154
Mar 25, 2009	Apr 24, 2009	0.774606
Apr 27, 2009	May 22, 2009	0.763032
May 26, 2009	Jun 24, 2009	0.752864
Jun 25, 2009	Jul 24, 2009	0.742761
Jul 27, 2009	Aug 24, 2009	0.729976
Aug 25, 2009	Sep 24, 2009	0.715864
Sep 25, 2009	Oct 23, 2009	0.704797
Oct 26, 2009	Nov 24, 2009	0.685031 0.675100
Nov 25, 2009	Dec 24, 2009	0.671066
Dec 28, 2009	Jan 22, 2010	0.664200
Jan 25, 2010	Feb 24, 2010	0.654015
Feb 25, 2010	Mar 24, 2010	0.647624
Mar 25, 2010	Apr 23, 2010	0.636346
Apr 26, 2010	May 24, 2010	0.631448
May 25, 2010	Jun 24, 2010	0.622785
Jun 25, 2010	Jul 23, 2010	0.617618
Jul 26, 2010	Aug 24, 2010	0.610078
Aug 25, 2010	Sep 24, 2010	0.604551
Sep 27, 2010	Oct 22, 2010	0.601822
Oct 25, 2010	Nov 24, 2010	0.594073
Nov 26, 2010	Dec 23, 2010	0.582654
Dec 27, 2010	Jan 24, 2011	0.577438
Jan 25, 2011	Feb 24, 2011	0.570356
Feb 25, 2011	Mar 24, 2011	0.566098
Mar 25, 2011	Apr 22, 2011	0.556964
Apr 25, 2011	May 24, 2011	0.549700
May 25, 2011	Jun 24, 2011	0.541657
Jun 27, 2011	Jul 22, 2011	0.541657
Jul 25, 2011	Aug 24, 2011	0.529623

12A1 Certificate Factor Chart

From	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.524599
Sep 26, 2011	Oct 24, 2011	0.519400
Oct 25, 2011	Nov 23, 2011	0.511395
Nov 25, 2011	Dec 23, 2011	0.507737
Dec 27, 2011	Jan 24, 2012	0.501447
Jan 25, 2012	Feb 24, 2012	0.500291
Feb 27, 2012	Mar 23, 2012	0.494902
Mar 26, 2012	Apr 24, 2012	0.492372
Apr 25, 2012	May 24, 2012	0.487493
May 25, 2012	Jun 22, 2012	0.482536
Jun 25, 2012	Jul 24, 2012	0.476767
Jul 25, 2012	Aug 24, 2012	0.474027
Aug 27, 2012	Sep 24, 2012	0.468778
Sep 25, 2012	Oct 24, 2012	0.463233
Oct 25, 2012	Nov 23, 2012	0.458456
Nov 26, 2012	Dec 24, 2012	0.452757
Dec 26, 2012	Jan 24, 2013	0.446736
Jan 25, 2013	Feb 22, 2013	0.442414
Feb 25, 2013	Mar 22, 2013	0.436427
Mar 25, 2013	Apr 24, 2013	0.433091
Apr 25, 2013	May 24, 2013	0.429364
May 28, 2013	Jun 24, 2013	0.423539
Jun 25, 2013	Jul 24, 2013	0.420257
Jul 25, 2013	Aug 23, 2013	0.414693
Aug 26, 2013	Sep 24, 2013	0.409505
Sep 25, 2013	Oct 24, 2013	0.404982
Oct 25, 2013	Nov 22, 2013	0.400015
Nov 25, 2013	Dec 24, 2013	0.393464
Dec 26, 2013	Jan 24, 2014	0.390296
Jan 27, 2014	Feb 24, 2014	0.384665
Feb 25, 2014	Mar 24, 2014	0.381979
Mar 25, 2014	Apr 24, 2014	0.378889
Apr 25, 2014	May 23, 2014	0.377676
May 27, 2014	Jun 24, 2014	0.375617
Jun 25, 2014	Jul 24, 2014	0.374514
Jul 25, 2014	Aug 22, 2014	0.374384
Aug 25, 2014	Sep 24, 2014	0.371754
Sep 25, 2014	Oct 24, 2014	0.367807
Oct 27, 2014	Nov 24, 2014	0.364661
Nov 25, 2014	Dec 24, 2014	0.362771
Dec 26, 2014	Jan 23, 2015	0.361910
Jan 26, 2015	Feb 24, 2015	0.360702
Feb 25, 2015	Mar 24, 2015	0.359730
Mar 25, 2015	Apr 24, 2015	0.357980
Apr 27, 2015	May 22, 2015	0.356338
May 26, 2015	Jun 24, 2015	0.355732
Jun 25, 2015		0.353842

12A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.991529
Jul 25, 2007	Aug 24, 2007	0.971426
Aug 27, 2007	Sep 24, 2007	0.942080
Sep 25, 2007	Oct 24, 2007	0.917502
Oct 25, 2007	Nov 23, 2007	0.900249
Nov 26, 2007	Dec 24, 2007	0.883737
Dec 26, 2007	Jan 24, 2008	0.875914
Jan 25, 2008	Feb 22, 2008	0.862754
Feb 25, 2008	Mar 24, 2008	0.850267
Mar 25, 2008	Apr 24, 2008	
Apr 25, 2008	May 23, 2008	0.828919
May 27, 2008	Jun 24, 2008	0.817644
Jun 25, 2008	Jul 24, 2008	0.791604
Jul 25, 2008	Aug 22, 2008	0.770125
Aug 25, 2008	Sep 24, 2008	0.751174
Sep 25, 2008	Oct 24, 2008	0.737035
Oct 27, 2008	Nov 24, 2008	0.719355
	Dec 24, 2008	0.697618
Nov 25, 2008	•	0.680535
Dec 26, 2008	Jan 23, 2009	0.653287
Jan 26, 2009	Feb 24, 2009	0.633331
Feb 25, 2009	Mar 24, 2009	0.615329
Mar 25, 2009	Apr 24, 2009	0.595577
Apr 27, 2009	May 22, 2009	0.578222
May 26, 2009	Jun 24, 2009	0.560980
Jun 25, 2009	Jul 24, 2009	0.539161
Jul 27, 2009	Aug 24, 2009	0.515076
Aug 25, 2009	Sep 24, 2009	0.496189
Sep 25, 2009	Oct 23, 2009	0.462456
Oct 26, 2009	Nov 24, 2009	0.445506
Nov 25, 2009	Dec 24, 2009	0.438621
Dec 28, 2009	Jan 22, 2010	0.426904
Jan 25, 2010	Feb 24, 2010	0.409520
Feb 25, 2010	Mar 24, 2010	0.398614
Mar 25, 2010	Apr 23, 2010	0.379366
Apr 26, 2010	May 24, 2010	0.371007
May 25, 2010	Jun 24, 2010	0.356222
Jun 25, 2010	Jul 23, 2010	0.347404
Jul 26, 2010	Aug 24, 2010	0.334536
Aug 25, 2010	Sep 24, 2010	0.325103
Sep 27, 2010	Oct 22, 2010	0.320445
Oct 25, 2010	Nov 24, 2010	0.307221
Nov 26, 2010	Dec 23, 2010	0.287732
Dec 27, 2010	Jan 24, 2011	0.278830
Jan 25, 2011	Feb 24, 2011	0.266744
Feb 25, 2011	Mar 24, 2011	0.259476
Mar 25, 2011	Apr 22, 2011	0.243888
Apr 25, 2011	May 24, 2011	0.231491
May 25, 2011	Jun 24, 2011	0.217765
Jun 27, 2011	Jul 22, 2011	0.217765
Jul 25, 2011	Aug 24, 2011	0.197227

12A2 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.188652
Sep 26, 2011	Oct 24, 2011	0.179780
Oct 25, 2011	Nov 23, 2011	0.166118
Nov 25, 2011	Dec 23, 2011	0.159874
Dec 27, 2011	Jan 24, 2012	0.149140
Jan 25, 2012	Feb 24, 2012	0.147166
Feb 27, 2012	Mar 23, 2012	0.137969
Mar 26, 2012	Apr 24, 2012	0.133651
Apr 25, 2012	May 24, 2012	0.125325
May 25, 2012	Jun 22, 2012	0.116865
Jun 25, 2012	Jul 24, 2012	0.107019
Jul 25, 2012	Aug 24, 2012	0.102342
Aug 27, 2012	Sep 24, 2012	0.093385
Sep 25, 2012	Oct 24, 2012	0.083921
Oct 25, 2012	Nov 23, 2012	0.075769
Nov 26, 2012	Dec 24, 2012	0.066042
Dec 26, 2012	Jan 24, 2013	0.055766
Jan 25, 2013	Feb 22, 2013	0.048389
Feb 25, 2013	Mar 22, 2013	0.038173
Mar 25, 2013	Apr 24, 2013	0.032479
Apr 25, 2013	May 24, 2013	0.026119
May 28, 2013	Jun 24, 2013	0.016178
Jun 25, 2013	Jul 24, 2013	0.010575
Jul 25, 2013	Aug 23, 2013	0.001080
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

12A3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

12A3 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.00000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	0.975569
Sep 25, 2013	Oct 24, 2013	0.951318
Oct 25, 2013	Nov 22, 2013	0.924681
Nov 25, 2013	Dec 24, 2013	0.889550
Dec 26, 2013	Jan 24, 2014	0.872562
Jan 27, 2014	Feb 24, 2014	0.842363
Feb 25, 2014	Mar 24, 2014	0.827962
Mar 25, 2014	Apr 24, 2014	0.811387
Apr 25, 2014	May 23, 2014	0.804885
May 27, 2014	Jun 24, 2014	0.793840
Jun 25, 2014	Jul 24, 2014	0.787930
Jul 25, 2014	Aug 22, 2014	0.787229
Aug 25, 2014	Sep 24, 2014	0.773129
Sep 25, 2014	Oct 24, 2014	0.751962
Oct 27, 2014	Nov 24, 2014	0.735090
Nov 25, 2014	Dec 24, 2014	0.724953
Dec 26, 2014	Jan 23, 2015	0.720335
Jan 26, 2015	Feb 24, 2015	0.713861
Feb 25, 2015	Mar 24, 2015	0.708649
Mar 25, 2015	Apr 24, 2015	0.699260
Apr 27, 2015	May 22, 2015	0.690456
May 26, 2015	Jun 24, 2015	0.687205
Jun 25, 2015		0.677071

12A4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

12A4 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

12A5 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.995037
Jul 25, 2007	Aug 24, 2007	0.983257
Aug 27, 2007	Sep 24, 2007	0.966062
Sep 25, 2007	Oct 24, 2007	0.951661
Oct 25, 2007	Nov 23, 2007	0.941552
Nov 26, 2007	Dec 24, 2007	0.931877
Dec 26, 2007	Jan 24, 2008	0.927293
Jan 25, 2008	Feb 22, 2008	0.919582
Feb 25, 2008	Mar 24, 2008	0.912266
Mar 25, 2008	Apr 24, 2008	0.899757
Apr 25, 2008	May 23, 2008	0.893150
May 27, 2008	Jun 24, 2008	0.877893
Jun 25, 2008	Jul 24, 2008	0.865307
Jul 25, 2008	Aug 22, 2008	0.854203
Aug 25, 2008	Sep 24, 2008	0.845919
Sep 25, 2008	Oct 24, 2008	0.835559
Oct 27, 2008	Nov 24, 2008	0.822822
Nov 25, 2008	Dec 24, 2008	0.812813
Dec 26, 2008	Jan 23, 2009	0.796847
Jan 26, 2009	Feb 24, 2009	0.785154
Feb 25, 2009	Mar 24, 2009	0.774606
Mar 25, 2009	Apr 24, 2009	
Apr 27, 2009	May 22, 2009	0.763032
May 26, 2009	Jun 24, 2009	0.752864
Jun 25, 2009	Jul 24, 2009	0.742761
Jul 27, 2009	Aug 24, 2009	0.729976
Aug 25, 2009	Sep 24, 2009	0.715864
Sep 25, 2009	Oct 23, 2009	0.704797 0.685031
Oct 26, 2009	Nov 24, 2009	0.675100
Nov 25, 2009	Dec 24, 2009	0.671066
Dec 28, 2009	Jan 22, 2010	0.664200
Jan 25, 2010	Feb 24, 2010	0.654015
Feb 25, 2010	Mar 24, 2010	0.647624
Mar 25, 2010	Apr 23, 2010	0.636346
Apr 26, 2010	May 24, 2010	0.624160
May 25, 2010	Jun 24, 2010	0.572721
Jun 25, 2010	Jul 23, 2010	0.556124
Jul 26, 2010	Aug 24, 2010	0.523973
Aug 25, 2010	Sep 24, 2010	0.482611
Sep 27, 2010	Oct 22, 2010	0.432338
Oct 25, 2010	Nov 24, 2010	0.425340
Nov 26, 2010	Dec 23, 2010	0.409128
Dec 27, 2010	Jan 24, 2011	0.389047
Jan 25, 2011	Feb 24, 2011	0.341420
Feb 25, 2011	Mar 24, 2011	0.294497
Mar 25, 2011	Apr 22, 2011	0.222665
Apr 25, 2011	May 24, 2011	0.212616
May 25, 2011	Jun 24, 2011	0.173679
Jun 27, 2011	Jul 22, 2011	0.164218
Jul 25, 2011	Aug 24, 2011	0.097776

12A5 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.090834
Sep 26, 2011	Oct 24, 2011	0.049736
Oct 25, 2011	Nov 23, 2011	0.046134
Nov 25, 2011	Dec 23, 2011	0.043579
Dec 27, 2011	Jan 24, 2012	0.039957
Jan 25, 2012	Feb 24, 2012	0.005891
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

12A6 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.991529
Jul 25, 2007	Aug 24, 2007	0.971426
Aug 27, 2007	Sep 24, 2007	0.942080
Sep 25, 2007	Oct 24, 2007	0.917502
Oct 25, 2007	Nov 23, 2007	0.900249
Nov 26, 2007	Dec 24, 2007	0.883737
Dec 26, 2007	Jan 24, 2008	0.875914
Jan 25, 2008	Feb 22, 2008	0.862754
Feb 25, 2008	Mar 24, 2008	0.850267
Mar 25, 2008	Apr 24, 2008	0.828919
Apr 25, 2008	May 23, 2008	0.817644
May 27, 2008	Jun 24, 2008	0.791604
Jun 25, 2008	Jul 24, 2008	0.770125
Jul 25, 2008	Aug 22, 2008	0.751174
Aug 25, 2008	Sep 24, 2008	0.737035
Sep 25, 2008	Oct 24, 2008	0.719355
Oct 27, 2008	Nov 24, 2008	0.697618
Nov 25, 2008	Dec 24, 2008	0.680535
Dec 26, 2008	Jan 23, 2009	0.653287
Jan 26, 2009	Feb 24, 2009	0.633331
Feb 25, 2009	Mar 24, 2009	0.615329
Mar 25, 2009	Apr 24, 2009	0.595577
Apr 27, 2009	May 22, 2009	0.578222
May 26, 2009	Jun 24, 2009	0.560980
Jun 25, 2009	Jul 24, 2009	0.539161
Jul 27, 2009	Aug 24, 2009	0.515076
Aug 25, 2009	Sep 24, 2009	0.496189
Sep 25, 2009	Oct 23, 2009	0.462456
Oct 26, 2009	Nov 24, 2009	0.445506
Nov 25, 2009	Dec 24, 2009	0.438621
Dec 28, 2009	Jan 22, 2010	0.426904
Jan 25, 2010	Feb 24, 2010	0.409520
Feb 25, 2010	Mar 24, 2010	0.398614
Mar 25, 2010	Apr 23, 2010	0.379366
Apr 26, 2010	May 24, 2010	0.371007
May 25, 2010	Jun 24, 2010	0.356222
Jun 25, 2010	Jul 23, 2010	0.347404
Jul 26, 2010	Aug 24, 2010	0.334536
Aug 25, 2010	Sep 24, 2010	0.325103
Sep 27, 2010	Oct 22, 2010	0.320445
Oct 25, 2010	Nov 24, 2010	0.307221
Nov 26, 2010	Dec 23, 2010	0.287732
Dec 27, 2010	Jan 24, 2011	0.278830
Jan 25, 2011	Feb 24, 2011	0.266744
Feb 25, 2011	Mar 24, 2011	0.259476
Mar 25, 2011	Apr 22, 2011	0.243888
Apr 25, 2011	May 24, 2011	0.231491
May 25, 2011	Jun 24, 2011	0.217765
Jun 27, 2011	Jul 22, 2011	0.217765
Jul 25, 2011	Aug 24, 2011	0.197227

12A6 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.188652
Sep 26, 2011	Oct 24, 2011	0.179780
Oct 25, 2011	Nov 23, 2011	0.166118
Nov 25, 2011	Dec 23, 2011	0.159874
Dec 27, 2011	Jan 24, 2012	0.149140
Jan 25, 2012	Feb 24, 2012	0.147166
Feb 27, 2012	Mar 23, 2012	0.137969
Mar 26, 2012	Apr 24, 2012	0.133651
Apr 25, 2012	May 24, 2012	0.125325
May 25, 2012	Jun 22, 2012	0.116865
Jun 25, 2012	Jul 24, 2012	0.107019
Jul 25, 2012	Aug 24, 2012	0.102342
Aug 27, 2012	Sep 24, 2012	0.093385
Sep 25, 2012	Oct 24, 2012	0.083921
Oct 25, 2012	Nov 23, 2012	0.075769
Nov 26, 2012	Dec 24, 2012	0.066042
Dec 26, 2012	Jan 24, 2013	0.055766
Jan 25, 2013	Feb 22, 2013	0.048389
Feb 25, 2013	Mar 22, 2013	0.038173
Mar 25, 2013	Apr 24, 2013	0.032479
Apr 25, 2013	May 24, 2013	0.026119
May 28, 2013	Jun 24, 2013	0.016178
Jun 25, 2013	Jul 24, 2013	0.010575
Jul 25, 2013	Aug 23, 2013	0.001080
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1M1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	0.808969
Nov 25, 2009	Dec 24, 2009	0.698430
Dec 28, 2009	Jan 22, 2010	0.478369
Jan 25, 2010	Feb 24, 2010	0.317550
Feb 25, 2010	Mar 24, 2010	0.197512
Mar 25, 2010	Apr 23, 2010	0.038550
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
JUI 23, 2011	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.000000

1M1 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.00000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1M2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	0.442040
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Jui 23, 2011	Aug 24, 2011	0.000000

1M2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1M3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
		1.000000
Jul 27, 2009	Aug 24, 2009	0.758695
Aug 25, 2009 Sep 25, 2009	Sep 24, 2009 Oct 23, 2009	0.287859
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000

1M3 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.00000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1M4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
JUI 23, 2011	1148 27, 2011	0.000000

1M4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1M5 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
JUI 23, 2011	1148 27, 2011	0.000000

1M5 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1M6 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	0.111637
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
JUI 23, 2011	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.000000

1M6 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1B1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	0.899456
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Jui 23, 2011	Aug 24, 2011	0.000000

1B1 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.00000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1B2 Certificate Factor Chart

From	То	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
	Dec 24, 2008	1.000000
Nov 25, 2008	•	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	0.787867
Apr 27, 2009	May 22, 2009	0.555493
May 26, 2009	Jun 24, 2009	0.000000
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000

1B2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

2A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999875
Jul 25, 2007	Aug 24, 2007	0.984022
Aug 27, 2007	Sep 24, 2007	0.973774
Sep 25, 2007	Oct 24, 2007	0.972250
Oct 25, 2007	Nov 23, 2007	0.970089
Nov 26, 2007	Dec 24, 2007	0.962495
Dec 26, 2007	Jan 24, 2008	0.957850
Jan 25, 2008	Feb 22, 2008	0.955585
Feb 25, 2008	Mar 24, 2008	0.951683
Mar 25, 2008	Apr 24, 2008	0.948098
Apr 25, 2008	May 23, 2008	0.938862
May 27, 2008	Jun 24, 2008	0.935529
Jun 25, 2008	Jul 24, 2008	0.928411
Jul 25, 2008	Aug 22, 2008	0.924418
Aug 25, 2008	Sep 24, 2008	0.923952
Sep 25, 2008	Oct 24, 2008	0.922937
Oct 27, 2008	Nov 24, 2008	0.917303
Nov 25, 2008	Dec 24, 2008	0.917201
Dec 26, 2008	Jan 23, 2009	0.917091
Jan 26, 2009	Feb 24, 2009	0.910095
Feb 25, 2009	Mar 24, 2009	0.908104
Mar 25, 2009	Apr 24, 2009	0.901496
Apr 27, 2009	May 22, 2009	0.890034
May 26, 2009	Jun 24, 2009	0.887211
Jun 25, 2009	Jul 24, 2009	0.881344
Jul 27, 2009	Aug 24, 2009	0.881266
Aug 25, 2009	Sep 24, 2009	0.870063
Sep 25, 2009	Oct 23, 2009	0.861314
Oct 26, 2009	Nov 24, 2009	0.852372
Nov 25, 2009	Dec 24, 2009	0.846451
Dec 28, 2009	Jan 22, 2010	0.840398
Jan 25, 2010	Feb 24, 2010	0.832713
Feb 25, 2010	Mar 24, 2010	0.830988
Mar 25, 2010	Apr 23, 2010	0.826133
Apr 26, 2010	May 24, 2010	0.823767
May 25, 2010	Jun 24, 2010	0.821521
Jun 25, 2010	Jul 23, 2010	0.811325
Jul 26, 2010	Aug 24, 2010	0.809962
Aug 25, 2010	Sep 24, 2010	0.803604
Sep 27, 2010	Oct 22, 2010	0.798534
Oct 25, 2010	Nov 24, 2010	0.780719
Nov 26, 2010	Dec 23, 2010	0.780719
Dec 27, 2010	Jan 24, 2011	0.777815
Jan 25, 2011	Feb 24, 2011	0.767157
Feb 25, 2011	Mar 24, 2011	0.764129
Mar 25, 2011	Apr 22, 2011	0.755875
Apr 25, 2011	May 24, 2011	0.749631
May 25, 2011	Jun 24, 2011	0.736448
Jun 27, 2011	Jul 22, 2011	0.722405
Jul 25, 2011	Aug 24, 2011	0.709163

2A1 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.690489
Sep 26, 2011	Oct 24, 2011	0.689383
Oct 25, 2011	Nov 23, 2011	0.677033
Nov 25, 2011	Dec 23, 2011	0.668856
Dec 27, 2011	Jan 24, 2012	0.652068
Jan 25, 2012	Feb 24, 2012	0.636093
Feb 27, 2012	Mar 23, 2012	0.627514
Mar 26, 2012	Apr 24, 2012	0.622185
Apr 25, 2012	May 24, 2012	0.612901
May 25, 2012	Jun 22, 2012	0.601486
Jun 25, 2012	Jul 24, 2012	0.594481
Jul 25, 2012	Aug 24, 2012	0.566571
Aug 27, 2012	Sep 24, 2012	0.553998
Sep 25, 2012	Oct 24, 2012	0.545725
Oct 25, 2012	Nov 23, 2012	0.544361
Nov 26, 2012	Dec 24, 2012	0.536665
Dec 26, 2012	Jan 24, 2013	0.530399
Jan 25, 2013	Feb 22, 2013	0.527458
Feb 25, 2013	Mar 22, 2013	0.526862
Mar 25, 2013	Apr 24, 2013	0.521178
Apr 25, 2013	May 24, 2013	0.518050
May 28, 2013	Jun 24, 2013	0.516131
Jun 25, 2013	Jul 24, 2013	0.514433
Jul 25, 2013	Aug 23, 2013	0.499149
Aug 26, 2013	Sep 24, 2013	0.486096
Sep 25, 2013	Oct 24, 2013	0.483167
Oct 25, 2013	Nov 22, 2013	0.482161
Nov 25, 2013	Dec 24, 2013	0.476224
Dec 26, 2013	Jan 24, 2014	0.475318
Jan 27, 2014	Feb 24, 2014	0.473717
Feb 25, 2014	Mar 24, 2014	0.467460
Mar 25, 2014	Apr 24, 2014	0.465069
Apr 25, 2014	May 23, 2014	0.458605
May 27, 2014	Jun 24, 2014	0.439558
Jun 25, 2014	Jul 24, 2014	0.434577
Jul 25, 2014	Aug 22, 2014	0.432682
Aug 25, 2014	Sep 24, 2014	0.432698
Sep 25, 2014	Oct 24, 2014	0.426277
Oct 27, 2014	Nov 24, 2014	0.421570
Nov 25, 2014	Dec 24, 2014	0.417409
Dec 26, 2014	Jan 23, 2015	0.408020
Jan 26, 2015	Feb 24, 2015	0.404676
Feb 25, 2015	Mar 24, 2015	0.404726
Mar 25, 2015	Apr 24, 2015	0.399027
Apr 27, 2015	May 22, 2015	0.391342
May 26, 2015	Jun 24, 2015	0.388502
Jun 25, 2015		0.382464

2A1A Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999875
Jul 25, 2007	Aug 24, 2007	0.984022
Aug 27, 2007	Sep 24, 2007	0.973774
Sep 25, 2007	Oct 24, 2007	0.972250
Oct 25, 2007	Nov 23, 2007	0.970089
Nov 26, 2007	Dec 24, 2007	0.962495
Dec 26, 2007	Jan 24, 2008	0.957850
Jan 25, 2008	Feb 22, 2008	0.955585
Feb 25, 2008	Mar 24, 2008	0.951683
Mar 25, 2008	Apr 24, 2008	0.948098
Apr 25, 2008	May 23, 2008	0.938862
May 27, 2008	Jun 24, 2008	0.935529
Jun 25, 2008	Jul 24, 2008	0.928411
Jul 25, 2008	Aug 22, 2008	0.924418
Aug 25, 2008	Sep 24, 2008	0.923952
Sep 25, 2008	Oct 24, 2008	0.922937
Oct 27, 2008	Nov 24, 2008	0.917303
Nov 25, 2008	Dec 24, 2008	0.917201
Dec 26, 2008	Jan 23, 2009	0.917091
Jan 26, 2009	Feb 24, 2009	0.910095
Feb 25, 2009	Mar 24, 2009	0.908104
Mar 25, 2009	Apr 24, 2009	0.901496
Apr 27, 2009	May 22, 2009	0.890034
May 26, 2009	Jun 24, 2009	0.887211
Jun 25, 2009	Jul 24, 2009	0.881344
Jul 27, 2009	Aug 24, 2009	0.881266
Aug 25, 2009	Sep 24, 2009	0.870063
Sep 25, 2009	Oct 23, 2009	0.861314
Oct 26, 2009	Nov 24, 2009	0.852372
Nov 25, 2009	Dec 24, 2009	0.846451
Dec 28, 2009	Jan 22, 2010	0.840398
Jan 25, 2010	Feb 24, 2010	0.832713
Feb 25, 2010	Mar 24, 2010	0.830988
Mar 25, 2010	Apr 23, 2010	0.826133
Apr 26, 2010	May 24, 2010	0.823767
May 25, 2010	Jun 24, 2010	0.821521
Jun 25, 2010	Jul 23, 2010	0.811325
Jul 26, 2010	Aug 24, 2010	0.809962
Aug 25, 2010	Sep 24, 2010	0.803604
Sep 27, 2010	Oct 22, 2010	0.798534
Oct 25, 2010	Nov 24, 2010	0.780719
Nov 26, 2010	Dec 23, 2010	0.780719
Dec 27, 2010	Jan 24, 2011	0.777815
Jan 25, 2011	Feb 24, 2011	0.767157
Feb 25, 2011	Mar 24, 2011	0.764129
Mar 25, 2011	Apr 22, 2011	0.755875
Apr 25, 2011	May 24, 2011	0.749631
May 25, 2011	Jun 24, 2011	0.736448
Jun 27, 2011	Jul 22, 2011	0.722405
Jul 25, 2011	Aug 24, 2011	0.709163

2A1A Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.690489
Sep 26, 2011	Oct 24, 2011	0.689383
Oct 25, 2011	Nov 23, 2011	0.677033
Nov 25, 2011	Dec 23, 2011	0.668856
Dec 27, 2011	Jan 24, 2012	0.652068
Jan 25, 2012	Feb 24, 2012	0.636093
Feb 27, 2012	Mar 23, 2012	0.627514
Mar 26, 2012	Apr 24, 2012	0.622185
Apr 25, 2012	May 24, 2012	0.612901
May 25, 2012	Jun 22, 2012	0.601486
Jun 25, 2012	Jul 24, 2012	0.594481
Jul 25, 2012	Aug 24, 2012	0.566571
Aug 27, 2012	Sep 24, 2012	0.553998
Sep 25, 2012	Oct 24, 2012	0.545725
Oct 25, 2012	Nov 23, 2012	0.544361
Nov 26, 2012	Dec 24, 2012	0.536665
Dec 26, 2012	Jan 24, 2013	0.530399
Jan 25, 2013	Feb 22, 2013	0.527458
Feb 25, 2013	Mar 22, 2013	0.526862
Mar 25, 2013	Apr 24, 2013	0.521178
Apr 25, 2013	May 24, 2013	0.518050
May 28, 2013	Jun 24, 2013	0.516131
Jun 25, 2013	Jul 24, 2013	0.514433
Jul 25, 2013	Aug 23, 2013	0.499149
Aug 26, 2013	Sep 24, 2013	0.486096
Sep 25, 2013	Oct 24, 2013	0.483167
Oct 25, 2013	Nov 22, 2013	0.482161
Nov 25, 2013	Dec 24, 2013	0.476224
Dec 26, 2013	Jan 24, 2014	0.475318
Jan 27, 2014	Feb 24, 2014	0.473717
Feb 25, 2014	Mar 24, 2014	0.467460
Mar 25, 2014	Apr 24, 2014	0.465069
Apr 25, 2014	May 23, 2014	0.458605
May 27, 2014	Jun 24, 2014	0.439558
Jun 25, 2014	Jul 24, 2014	0.434577
Jul 25, 2014	Aug 22, 2014	0.432682
Aug 25, 2014	Sep 24, 2014	0.432698
Sep 25, 2014	Oct 24, 2014	0.426277
Oct 27, 2014	Nov 24, 2014	0.421570
Nov 25, 2014	Dec 24, 2014	0.417409
Dec 26, 2014	Jan 23, 2015	0.408020
Jan 26, 2015	Feb 24, 2015	0.404676
Feb 25, 2015	Mar 24, 2015	0.404726
Mar 25, 2015	Apr 24, 2015	0.399027
Apr 27, 2015	May 22, 2015	0.391342
May 26, 2015	Jun 24, 2015	0.388502
Jun 25, 2015		0.382464

2A1B Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999875
Jul 25, 2007	Aug 24, 2007	0.984022
Aug 27, 2007	Sep 24, 2007	0.973774
Sep 25, 2007	Oct 24, 2007	0.972250
Oct 25, 2007	Nov 23, 2007	0.970089
Nov 26, 2007	Dec 24, 2007	0.962495
Dec 26, 2007	Jan 24, 2008	0.957850
Jan 25, 2008	Feb 22, 2008	0.955585
Feb 25, 2008	Mar 24, 2008	0.951683
Mar 25, 2008	Apr 24, 2008	0.948098
Apr 25, 2008	May 23, 2008	0.938862
May 27, 2008	Jun 24, 2008	0.935529
Jun 25, 2008	Jul 24, 2008	0.928411
Jul 25, 2008	Aug 22, 2008	0.924418
Aug 25, 2008	Sep 24, 2008	0.923952
Sep 25, 2008	Oct 24, 2008	0.922937
Oct 27, 2008	Nov 24, 2008	0.917303
Nov 25, 2008	Dec 24, 2008	0.917201
Dec 26, 2008	Jan 23, 2009	0.917091
Jan 26, 2009	Feb 24, 2009	0.910095
Feb 25, 2009	Mar 24, 2009	0.908104
Mar 25, 2009	Apr 24, 2009	0.901496
Apr 27, 2009	May 22, 2009	0.890034
May 26, 2009	Jun 24, 2009	0.887211
Jun 25, 2009	Jul 24, 2009	0.881344
Jul 27, 2009	Aug 24, 2009	0.881266
Aug 25, 2009	Sep 24, 2009	0.870063
Sep 25, 2009	Oct 23, 2009	0.861314
Oct 26, 2009	Nov 24, 2009	0.852372
Nov 25, 2009	Dec 24, 2009	0.846451
Dec 28, 2009	Jan 22, 2010	0.840398
Jan 25, 2010	Feb 24, 2010	0.832713
Feb 25, 2010	Mar 24, 2010	0.830988
Mar 25, 2010	Apr 23, 2010	0.826133
Apr 26, 2010	May 24, 2010	0.823767
May 25, 2010	Jun 24, 2010	0.821521
Jun 25, 2010	Jul 23, 2010	0.811325
Jul 26, 2010	Aug 24, 2010	0.809962
Aug 25, 2010	Sep 24, 2010	0.803604
Sep 27, 2010	Oct 22, 2010	0.798534
Oct 25, 2010	Nov 24, 2010	0.780719
Nov 26, 2010	Dec 23, 2010	0.780719
Dec 27, 2010	Jan 24, 2011	0.777815
Jan 25, 2011	Feb 24, 2011	0.767157
Feb 25, 2011	Mar 24, 2011	0.764129
Mar 25, 2011	Apr 22, 2011	0.755875
Apr 25, 2011	May 24, 2011	0.749631
May 25, 2011	Jun 24, 2011	0.736448
Jun 27, 2011	Jul 22, 2011	0.722405
Jul 25, 2011	Aug 24, 2011	0.709163

2A1B Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.690489
Sep 26, 2011	Oct 24, 2011	0.689383
Oct 25, 2011	Nov 23, 2011	0.677033
Nov 25, 2011	Dec 23, 2011	0.668856
Dec 27, 2011	Jan 24, 2012	0.652068
Jan 25, 2012	Feb 24, 2012	0.636093
Feb 27, 2012	Mar 23, 2012	0.627514
Mar 26, 2012	Apr 24, 2012	0.622185
Apr 25, 2012	May 24, 2012	0.612901
May 25, 2012	Jun 22, 2012	0.601486
Jun 25, 2012	Jul 24, 2012	0.594481
Jul 25, 2012	Aug 24, 2012	0.566571
Aug 27, 2012	Sep 24, 2012	0.553998
Sep 25, 2012	Oct 24, 2012	0.545725
Oct 25, 2012	Nov 23, 2012	0.544361
Nov 26, 2012	Dec 24, 2012	0.536665
Dec 26, 2012	Jan 24, 2013	0.530399
Jan 25, 2013	Feb 22, 2013	0.527458
Feb 25, 2013	Mar 22, 2013	0.526862
Mar 25, 2013	Apr 24, 2013	0.521178
Apr 25, 2013	May 24, 2013	0.518050
May 28, 2013	Jun 24, 2013	0.516131
Jun 25, 2013	Jul 24, 2013	0.514433
Jul 25, 2013	Aug 23, 2013	0.499149
Aug 26, 2013	Sep 24, 2013	0.486096
Sep 25, 2013	Oct 24, 2013	0.483167
Oct 25, 2013	Nov 22, 2013	0.482161
Nov 25, 2013	Dec 24, 2013	0.476224
Dec 26, 2013	Jan 24, 2014	0.475318
Jan 27, 2014	Feb 24, 2014	0.473717
Feb 25, 2014	Mar 24, 2014	0.467460
Mar 25, 2014	Apr 24, 2014	0.465069
Apr 25, 2014	May 23, 2014	0.458605
May 27, 2014	Jun 24, 2014	0.439558
Jun 25, 2014	Jul 24, 2014	0.434577
Jul 25, 2014	Aug 22, 2014	0.432682
Aug 25, 2014	Sep 24, 2014	0.432698
Sep 25, 2014	Oct 24, 2014	0.426277
Oct 27, 2014	Nov 24, 2014	0.421570
Nov 25, 2014	Dec 24, 2014	0.417409
Dec 26, 2014	Jan 23, 2015	0.408020
Jan 26, 2015	Feb 24, 2015	0.404676
Feb 25, 2015	Mar 24, 2015	0.404726
Mar 25, 2015	Apr 24, 2015	0.399027
Apr 27, 2015	May 22, 2015	0.391342
May 26, 2015	Jun 24, 2015	0.388502
Jun 25, 2015		0.382464

2A1C Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999875
Jul 25, 2007	Aug 24, 2007	0.984022
Aug 27, 2007	Sep 24, 2007	0.973774
Sep 25, 2007	Oct 24, 2007	0.972250
Oct 25, 2007	Nov 23, 2007	0.970089
Nov 26, 2007	Dec 24, 2007	0.962495
Dec 26, 2007	Jan 24, 2008	0.957850
Jan 25, 2008	Feb 22, 2008	0.955585
Feb 25, 2008	Mar 24, 2008	0.951683
Mar 25, 2008	Apr 24, 2008	0.948098
Apr 25, 2008	May 23, 2008	0.938862
May 27, 2008	Jun 24, 2008	0.935529
Jun 25, 2008	Jul 24, 2008	0.928411
Jul 25, 2008	Aug 22, 2008	0.924418
Aug 25, 2008	Sep 24, 2008	0.923952
Sep 25, 2008	Oct 24, 2008	0.922937
Oct 27, 2008	Nov 24, 2008	0.917303
Nov 25, 2008	Dec 24, 2008	0.917201
Dec 26, 2008	Jan 23, 2009	0.917091
Jan 26, 2009	Feb 24, 2009	0.910095
Feb 25, 2009	Mar 24, 2009	0.908104
Mar 25, 2009	Apr 24, 2009	0.901496
Apr 27, 2009	May 22, 2009	0.890034
May 26, 2009	Jun 24, 2009	0.887211
Jun 25, 2009	Jul 24, 2009	0.881344
Jul 27, 2009	Aug 24, 2009	0.881266
Aug 25, 2009	Sep 24, 2009	0.870063
Sep 25, 2009	Oct 23, 2009	0.861314
Oct 26, 2009	Nov 24, 2009	0.852372
Nov 25, 2009	Dec 24, 2009	0.846451
Dec 28, 2009	Jan 22, 2010	0.840398
Jan 25, 2010	Feb 24, 2010	0.832713
Feb 25, 2010	Mar 24, 2010	0.830988
Mar 25, 2010	Apr 23, 2010	0.826133
Apr 26, 2010	May 24, 2010	0.823767
May 25, 2010	Jun 24, 2010	0.821521
Jun 25, 2010	Jul 23, 2010	0.811325
Jul 26, 2010	Aug 24, 2010	0.809962
Aug 25, 2010	Sep 24, 2010	0.803604
Sep 27, 2010	Oct 22, 2010	0.798534
Oct 25, 2010	Nov 24, 2010	0.780719
Nov 26, 2010	Dec 23, 2010	0.780719
Dec 27, 2010	Jan 24, 2011	0.777815
Jan 25, 2011	Feb 24, 2011	0.767157
Feb 25, 2011	Mar 24, 2011	0.764129
Mar 25, 2011	Apr 22, 2011	0.755875
Apr 25, 2011	May 24, 2011	0.749631
May 25, 2011	Jun 24, 2011	0.736448
Jun 27, 2011	Jul 22, 2011	0.722405
Jul 25, 2011	Aug 24, 2011	0.709163

2A1C Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.690489
Sep 26, 2011	Oct 24, 2011	0.689383
Oct 25, 2011	Nov 23, 2011	0.677033
Nov 25, 2011	Dec 23, 2011	0.668856
Dec 27, 2011	Jan 24, 2012	0.652068
Jan 25, 2012	Feb 24, 2012	0.636093
Feb 27, 2012	Mar 23, 2012	0.627514
Mar 26, 2012	Apr 24, 2012	0.622185
Apr 25, 2012	May 24, 2012	0.612901
May 25, 2012	Jun 22, 2012	0.601486
Jun 25, 2012	Jul 24, 2012	0.594481
Jul 25, 2012	Aug 24, 2012	0.566571
Aug 27, 2012	Sep 24, 2012	0.553998
Sep 25, 2012	Oct 24, 2012	0.545725
Oct 25, 2012	Nov 23, 2012	0.544361
Nov 26, 2012	Dec 24, 2012	0.536665
Dec 26, 2012	Jan 24, 2013	0.530399
Jan 25, 2013	Feb 22, 2013	0.527458
Feb 25, 2013	Mar 22, 2013	0.526862
Mar 25, 2013	Apr 24, 2013	0.521178
Apr 25, 2013	May 24, 2013	0.518050
May 28, 2013	Jun 24, 2013	0.516131
Jun 25, 2013	Jul 24, 2013	0.514433
Jul 25, 2013	Aug 23, 2013	0.499149
Aug 26, 2013	Sep 24, 2013	0.486096
Sep 25, 2013	Oct 24, 2013	0.483167
Oct 25, 2013	Nov 22, 2013	0.482161
Nov 25, 2013	Dec 24, 2013	0.476224
Dec 26, 2013	Jan 24, 2014	0.475318
Jan 27, 2014	Feb 24, 2014	0.473717
Feb 25, 2014	Mar 24, 2014	0.467460
Mar 25, 2014	Apr 24, 2014	0.465069
Apr 25, 2014	May 23, 2014	0.458605
May 27, 2014	Jun 24, 2014	0.439558
Jun 25, 2014	Jul 24, 2014	0.434577
Jul 25, 2014	Aug 22, 2014	0.432682
Aug 25, 2014	Sep 24, 2014	0.432698
Sep 25, 2014	Oct 24, 2014	0.426277
Oct 27, 2014	Nov 24, 2014	0.421570
Nov 25, 2014	Dec 24, 2014	0.417409
Dec 26, 2014	Jan 23, 2015	0.408020
Jan 26, 2015	Feb 24, 2015	0.404676
Feb 25, 2015	Mar 24, 2015	0.404726
Mar 25, 2015	Apr 24, 2015	0.399027
Apr 27, 2015	May 22, 2015	0.391342
May 26, 2015	Jun 24, 2015	0.388502
Jun 25, 2015		0.382464

2A1D Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999875
Jul 25, 2007	Aug 24, 2007	0.984022
Aug 27, 2007	Sep 24, 2007	0.973774
Sep 25, 2007	Oct 24, 2007	0.972250
Oct 25, 2007	Nov 23, 2007	0.970089
Nov 26, 2007	Dec 24, 2007	0.962495
Dec 26, 2007	Jan 24, 2008	0.957850
Jan 25, 2008	Feb 22, 2008	0.955585
Feb 25, 2008	Mar 24, 2008	0.951683
Mar 25, 2008	Apr 24, 2008	0.948098
Apr 25, 2008	May 23, 2008	0.938862
May 27, 2008	Jun 24, 2008	0.935529
Jun 25, 2008	Jul 24, 2008	0.928411
Jul 25, 2008	Aug 22, 2008	0.924418
Aug 25, 2008	Sep 24, 2008	0.923952
Sep 25, 2008	Oct 24, 2008	0.922937
Oct 27, 2008	Nov 24, 2008	0.917303
Nov 25, 2008	Dec 24, 2008	0.917201
Dec 26, 2008	Jan 23, 2009	0.917091
Jan 26, 2009	Feb 24, 2009	0.910095
Feb 25, 2009	Mar 24, 2009	0.908104
Mar 25, 2009	Apr 24, 2009	0.901496
Apr 27, 2009	May 22, 2009	0.890034
May 26, 2009	Jun 24, 2009	0.887211
Jun 25, 2009	Jul 24, 2009	0.881344
Jul 27, 2009	Aug 24, 2009	0.881266
Aug 25, 2009	Sep 24, 2009	0.870063
Sep 25, 2009	Oct 23, 2009	0.861314
Oct 26, 2009	Nov 24, 2009	0.852372
Nov 25, 2009	Dec 24, 2009	0.846451
Dec 28, 2009	Jan 22, 2010	0.840398
Jan 25, 2010	Feb 24, 2010	0.832713
Feb 25, 2010	Mar 24, 2010	0.830988
Mar 25, 2010	Apr 23, 2010	0.826133
Apr 26, 2010	May 24, 2010	0.823767
May 25, 2010	Jun 24, 2010	0.821521
Jun 25, 2010	Jul 23, 2010	0.811325
Jul 26, 2010	Aug 24, 2010	0.809962
Aug 25, 2010	Sep 24, 2010	0.803604
Sep 27, 2010	Oct 22, 2010	0.798534
Oct 25, 2010	Nov 24, 2010	0.780719
Nov 26, 2010	Dec 23, 2010	0.780719
Dec 27, 2010	Jan 24, 2011	0.777815
Jan 25, 2011	Feb 24, 2011	0.767157
Feb 25, 2011	Mar 24, 2011	0.764129
Mar 25, 2011	Apr 22, 2011	0.755875
Apr 25, 2011	May 24, 2011	0.749631
May 25, 2011	Jun 24, 2011	0.736448
Jun 27, 2011	Jul 22, 2011	0.722405
Jul 25, 2011	Aug 24, 2011	0.709163

2A1D Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.690489
Sep 26, 2011	Oct 24, 2011	0.689383
Oct 25, 2011	Nov 23, 2011	0.677033
Nov 25, 2011	Dec 23, 2011	0.668856
Dec 27, 2011	Jan 24, 2012	0.652068
Jan 25, 2012	Feb 24, 2012	0.636093
Feb 27, 2012	Mar 23, 2012	0.627514
Mar 26, 2012	Apr 24, 2012	0.622185
Apr 25, 2012	May 24, 2012	0.612901
May 25, 2012	Jun 22, 2012	0.601486
Jun 25, 2012	Jul 24, 2012	0.594481
Jul 25, 2012	Aug 24, 2012	0.566571
Aug 27, 2012	Sep 24, 2012	0.553998
Sep 25, 2012	Oct 24, 2012	0.545725
Oct 25, 2012	Nov 23, 2012	0.544361
Nov 26, 2012	Dec 24, 2012	0.536665
Dec 26, 2012	Jan 24, 2013	0.530399
Jan 25, 2013	Feb 22, 2013	0.527458
Feb 25, 2013	Mar 22, 2013	0.526862
Mar 25, 2013	Apr 24, 2013	0.521178
Apr 25, 2013	May 24, 2013	0.518050
May 28, 2013	Jun 24, 2013	0.516131
Jun 25, 2013	Jul 24, 2013	0.514433
Jul 25, 2013	Aug 23, 2013	0.499149
Aug 26, 2013	Sep 24, 2013	0.486096
Sep 25, 2013	Oct 24, 2013	0.483167
Oct 25, 2013	Nov 22, 2013	0.482161
Nov 25, 2013	Dec 24, 2013	0.476224
Dec 26, 2013	Jan 24, 2014	0.475318
Jan 27, 2014	Feb 24, 2014	0.473717
Feb 25, 2014	Mar 24, 2014	0.467460
Mar 25, 2014	Apr 24, 2014	0.465069
Apr 25, 2014	May 23, 2014	0.458605
May 27, 2014	Jun 24, 2014	0.439558
Jun 25, 2014	Jul 24, 2014	0.434577
Jul 25, 2014	Aug 22, 2014	0.432682
Aug 25, 2014	Sep 24, 2014	0.432698
Sep 25, 2014	Oct 24, 2014	0.426277
Oct 27, 2014	Nov 24, 2014	0.421570
Nov 25, 2014	Dec 24, 2014	0.417409
Dec 26, 2014	Jan 23, 2015	0.408020
Jan 26, 2015	Feb 24, 2015	0.404676
Feb 25, 2015	Mar 24, 2015	0.404726
Mar 25, 2015	Apr 24, 2015	0.399027
Apr 27, 2015	May 22, 2015	0.391342
May 26, 2015	Jun 24, 2015	0.388502
Jun 25, 2015		0.382464

2A1E Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999875
Jul 25, 2007	Aug 24, 2007	0.984022
Aug 27, 2007	Sep 24, 2007	0.973774
Sep 25, 2007	Oct 24, 2007	0.972250
Oct 25, 2007	Nov 23, 2007	0.970089
Nov 26, 2007	Dec 24, 2007	0.962495
Dec 26, 2007	Jan 24, 2008	0.957850
Jan 25, 2008	Feb 22, 2008	0.955585
Feb 25, 2008	Mar 24, 2008	
Mar 25, 2008	Apr 24, 2008	0.951683
Apr 25, 2008	May 23, 2008	0.948098
May 27, 2008	Jun 24, 2008	0.938862
Jun 25, 2008	Jul 24, 2008	0.935529
Jul 25, 2008	Aug 22, 2008	0.928411
Aug 25, 2008	Sep 24, 2008	0.924418
Sep 25, 2008	Oct 24, 2008	0.923952
	•	0.922937
Oct 27, 2008	Nov 24, 2008	0.917303
Nov 25, 2008	Dec 24, 2008	0.917201
Dec 26, 2008	Jan 23, 2009	0.917091
Jan 26, 2009	Feb 24, 2009	0.910095
Feb 25, 2009	Mar 24, 2009	0.908104
Mar 25, 2009	Apr 24, 2009	0.901496
Apr 27, 2009	May 22, 2009	0.890034
May 26, 2009	Jun 24, 2009	0.887211
Jun 25, 2009	Jul 24, 2009	0.881344
Jul 27, 2009	Aug 24, 2009	0.881266
Aug 25, 2009	Sep 24, 2009	0.870063
Sep 25, 2009	Oct 23, 2009	0.861314
Oct 26, 2009	Nov 24, 2009	0.852372
Nov 25, 2009	Dec 24, 2009	0.846451
Dec 28, 2009	Jan 22, 2010	0.840398
Jan 25, 2010	Feb 24, 2010	0.832713
Feb 25, 2010	Mar 24, 2010	0.830988
Mar 25, 2010	Apr 23, 2010	0.826133
Apr 26, 2010	May 24, 2010	0.823767
May 25, 2010	Jun 24, 2010	0.821521
Jun 25, 2010	Jul 23, 2010	0.811325
Jul 26, 2010	Aug 24, 2010	0.809962
Aug 25, 2010	Sep 24, 2010	0.803604
Sep 27, 2010	Oct 22, 2010	0.798534
Oct 25, 2010	Nov 24, 2010	0.780719
Nov 26, 2010	Dec 23, 2010	0.780719
Dec 27, 2010	Jan 24, 2011	0.777815
Jan 25, 2011	Feb 24, 2011	0.767157
Feb 25, 2011	Mar 24, 2011	0.764129
Mar 25, 2011	Apr 22, 2011	0.755875
Apr 25, 2011	May 24, 2011	0.749631
May 25, 2011	Jun 24, 2011	0.736448
Jun 27, 2011	Jul 22, 2011	0.722405
Jul 25, 2011	Aug 24, 2011	0.709163

2A1E Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.690489
Sep 26, 2011	Oct 24, 2011	0.689383
Oct 25, 2011	Nov 23, 2011	0.677033
Nov 25, 2011	Dec 23, 2011	0.668856
Dec 27, 2011	Jan 24, 2012	0.652068
Jan 25, 2012	Feb 24, 2012	0.636093
Feb 27, 2012	Mar 23, 2012	0.627514
Mar 26, 2012	Apr 24, 2012	0.622185
Apr 25, 2012	May 24, 2012	0.612901
May 25, 2012	Jun 22, 2012	0.601486
Jun 25, 2012	Jul 24, 2012	0.594481
Jul 25, 2012	Aug 24, 2012	0.566571
Aug 27, 2012	Sep 24, 2012	0.553998
Sep 25, 2012	Oct 24, 2012	0.545725
Oct 25, 2012	Nov 23, 2012	0.544361
Nov 26, 2012	Dec 24, 2012	0.536665
Dec 26, 2012	Jan 24, 2013	0.530399
Jan 25, 2013	Feb 22, 2013	0.527458
Feb 25, 2013	Mar 22, 2013	0.526862
Mar 25, 2013	Apr 24, 2013	0.521178
Apr 25, 2013	May 24, 2013	0.518050
May 28, 2013	Jun 24, 2013	0.516131
Jun 25, 2013	Jul 24, 2013	0.514433
Jul 25, 2013	Aug 23, 2013	0.499149
Aug 26, 2013	Sep 24, 2013	0.486096
Sep 25, 2013	Oct 24, 2013	0.483167
Oct 25, 2013	Nov 22, 2013	0.482161
Nov 25, 2013	Dec 24, 2013	0.476224
Dec 26, 2013	Jan 24, 2014	0.475318
Jan 27, 2014	Feb 24, 2014	0.473717
Feb 25, 2014	Mar 24, 2014	0.467460
Mar 25, 2014	Apr 24, 2014	0.465069
Apr 25, 2014	May 23, 2014	0.458605
May 27, 2014	Jun 24, 2014	0.439558
Jun 25, 2014	Jul 24, 2014	0.434577
Jul 25, 2014	Aug 22, 2014	0.432682
Aug 25, 2014	Sep 24, 2014	0.432698
Sep 25, 2014	Oct 24, 2014	0.426277
Oct 27, 2014	Nov 24, 2014	0.421570
Nov 25, 2014	Dec 24, 2014	0.417409
Dec 26, 2014	Jan 23, 2015	0.408020
Jan 26, 2015	Feb 24, 2015	0.404676
Feb 25, 2015	Mar 24, 2015	0.404726
Mar 25, 2015	Apr 24, 2015	0.399027
Apr 27, 2015	May 22, 2015	0.391342
May 26, 2015	Jun 24, 2015	0.388502
Jun 25, 2015		0.382464

2A1F Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999875
Jul 25, 2007	Aug 24, 2007	0.984022
Aug 27, 2007	Sep 24, 2007	0.973774
Sep 25, 2007	Oct 24, 2007	0.972250
Oct 25, 2007	Nov 23, 2007	0.970089
Nov 26, 2007	Dec 24, 2007	0.962495
Dec 26, 2007	Jan 24, 2008	0.957850
Jan 25, 2008	Feb 22, 2008	0.955585
Feb 25, 2008	Mar 24, 2008	0.951683
Mar 25, 2008	Apr 24, 2008	0.948098
Apr 25, 2008	May 23, 2008	0.938862
May 27, 2008	Jun 24, 2008	0.935529
Jun 25, 2008	Jul 24, 2008	0.928411
Jul 25, 2008	Aug 22, 2008	0.924418
Aug 25, 2008	Sep 24, 2008	0.923952
Sep 25, 2008	Oct 24, 2008	0.922937
Oct 27, 2008	Nov 24, 2008	0.917303
Nov 25, 2008	Dec 24, 2008	0.917201
Dec 26, 2008	Jan 23, 2009	0.917091
Jan 26, 2009	Feb 24, 2009	0.910095
Feb 25, 2009	Mar 24, 2009	0.908104
Mar 25, 2009	Apr 24, 2009	0.901496
Apr 27, 2009	May 22, 2009	0.890034
May 26, 2009	Jun 24, 2009	0.887211
Jun 25, 2009	Jul 24, 2009	0.881344
Jul 27, 2009	Aug 24, 2009	0.881266
Aug 25, 2009	Sep 24, 2009	0.870063
Sep 25, 2009	Oct 23, 2009	0.861314
Oct 26, 2009	Nov 24, 2009	0.852372
Nov 25, 2009	Dec 24, 2009	0.846451
Dec 28, 2009	Jan 22, 2010	0.840398
Jan 25, 2010	Feb 24, 2010	0.832713
Feb 25, 2010	Mar 24, 2010	0.830988
Mar 25, 2010	Apr 23, 2010	0.826133
Apr 26, 2010	May 24, 2010	0.823767
May 25, 2010	Jun 24, 2010	0.821521
Jun 25, 2010	Jul 23, 2010	0.811325
Jul 26, 2010	Aug 24, 2010	0.809962
Aug 25, 2010	Sep 24, 2010	0.803604
Sep 27, 2010	Oct 22, 2010	0.798534
Oct 25, 2010	Nov 24, 2010	0.780719
Nov 26, 2010	Dec 23, 2010	0.780719
Dec 27, 2010	Jan 24, 2011	0.777815
Jan 25, 2011	Feb 24, 2011	0.767157
Feb 25, 2011	Mar 24, 2011	0.764129
Mar 25, 2011	Apr 22, 2011	0.755875
Apr 25, 2011	May 24, 2011	0.749631
May 25, 2011	Jun 24, 2011	0.736448
Jun 27, 2011	Jul 22, 2011	0.722405
Jul 25, 2011	Aug 24, 2011	0.709163

2A1F Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.690489
Sep 26, 2011	Oct 24, 2011	0.689383
Oct 25, 2011	Nov 23, 2011	0.677033
Nov 25, 2011	Dec 23, 2011	0.668856
Dec 27, 2011	Jan 24, 2012	0.652068
Jan 25, 2012	Feb 24, 2012	0.636093
Feb 27, 2012	Mar 23, 2012	0.627514
Mar 26, 2012	Apr 24, 2012	0.622185
Apr 25, 2012	May 24, 2012	0.612901
May 25, 2012	Jun 22, 2012	0.601486
Jun 25, 2012	Jul 24, 2012	0.594481
Jul 25, 2012	Aug 24, 2012	0.566571
Aug 27, 2012	Sep 24, 2012	0.553998
Sep 25, 2012	Oct 24, 2012	0.545725
Oct 25, 2012	Nov 23, 2012	0.544361
Nov 26, 2012	Dec 24, 2012	0.536665
Dec 26, 2012	Jan 24, 2013	0.530399
Jan 25, 2013	Feb 22, 2013	0.527458
Feb 25, 2013	Mar 22, 2013	0.526862
Mar 25, 2013	Apr 24, 2013	0.521178
Apr 25, 2013	May 24, 2013	0.518050
May 28, 2013	Jun 24, 2013	0.516131
Jun 25, 2013	Jul 24, 2013	0.514433
Jul 25, 2013	Aug 23, 2013	0.499149
Aug 26, 2013	Sep 24, 2013	0.486096
Sep 25, 2013	Oct 24, 2013	0.483167
Oct 25, 2013	Nov 22, 2013	0.482161
Nov 25, 2013	Dec 24, 2013	0.476224
Dec 26, 2013	Jan 24, 2014	0.475318
Jan 27, 2014	Feb 24, 2014	0.473717
Feb 25, 2014	Mar 24, 2014	0.467460
Mar 25, 2014	Apr 24, 2014	0.465069
Apr 25, 2014	May 23, 2014	0.458605
May 27, 2014	Jun 24, 2014	0.439558
Jun 25, 2014	Jul 24, 2014	0.434577
Jul 25, 2014	Aug 22, 2014	0.432682
Aug 25, 2014	Sep 24, 2014	0.432698
Sep 25, 2014	Oct 24, 2014	0.426277
Oct 27, 2014	Nov 24, 2014	0.421570
Nov 25, 2014	Dec 24, 2014	0.417409
Dec 26, 2014	Jan 23, 2015	0.408020
Jan 26, 2015	Feb 24, 2015	0.404676
Feb 25, 2015	Mar 24, 2015	0.404726
Mar 25, 2015	Apr 24, 2015	0.399027
Apr 27, 2015	May 22, 2015	0.391342
May 26, 2015	Jun 24, 2015	0.388502
Jun 25, 2015		0.382464

2A1G Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999875
Jul 25, 2007	Aug 24, 2007	0.984022
Aug 27, 2007	Sep 24, 2007	0.973774
Sep 25, 2007	Oct 24, 2007	0.972250
Oct 25, 2007	Nov 23, 2007	0.970089
Nov 26, 2007	Dec 24, 2007	0.962495
Dec 26, 2007	Jan 24, 2008	0.957850
Jan 25, 2008	Feb 22, 2008	0.955585
Feb 25, 2008	Mar 24, 2008	0.951683
Mar 25, 2008	Apr 24, 2008	0.948098
Apr 25, 2008	May 23, 2008	0.938862
May 27, 2008	Jun 24, 2008	0.935529
Jun 25, 2008	Jul 24, 2008	0.928411
Jul 25, 2008	Aug 22, 2008	0.924418
Aug 25, 2008	Sep 24, 2008	0.923952
Sep 25, 2008	Oct 24, 2008	0.922937
Oct 27, 2008	Nov 24, 2008	0.917303
Nov 25, 2008	Dec 24, 2008	0.917201
Dec 26, 2008	Jan 23, 2009	0.917091
Jan 26, 2009	Feb 24, 2009	0.910095
Feb 25, 2009	Mar 24, 2009	0.908104
Mar 25, 2009	Apr 24, 2009	0.901496
Apr 27, 2009	May 22, 2009	0.890034
May 26, 2009	Jun 24, 2009	0.887211
Jun 25, 2009	Jul 24, 2009	0.881344
Jul 27, 2009	Aug 24, 2009	0.881266
Aug 25, 2009	Sep 24, 2009	0.870063
Sep 25, 2009	Oct 23, 2009	0.861314
Oct 26, 2009	Nov 24, 2009	0.852372
Nov 25, 2009	Dec 24, 2009	0.846451
Dec 28, 2009	Jan 22, 2010	0.840398
Jan 25, 2010	Feb 24, 2010	0.832713
Feb 25, 2010	Mar 24, 2010	0.830988
Mar 25, 2010	Apr 23, 2010	0.826133
Apr 26, 2010	May 24, 2010	0.823767
May 25, 2010	Jun 24, 2010	0.821521
Jun 25, 2010	Jul 23, 2010	0.811325
Jul 26, 2010	Aug 24, 2010	0.809962
Aug 25, 2010	Sep 24, 2010	0.803604
Sep 27, 2010	Oct 22, 2010	0.798534
Oct 25, 2010	Nov 24, 2010	0.780719
Nov 26, 2010	Dec 23, 2010	0.780719
Dec 27, 2010	Jan 24, 2011	0.777815
Jan 25, 2011	Feb 24, 2011	0.767157
Feb 25, 2011	Mar 24, 2011	0.764129
Mar 25, 2011	Apr 22, 2011	0.755875
Apr 25, 2011	May 24, 2011	0.749631
May 25, 2011	Jun 24, 2011	0.736448
Jun 27, 2011	Jul 22, 2011	0.722405
Jul 25, 2011	Aug 24, 2011	0.709163

2A1G Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.690489
Sep 26, 2011	Oct 24, 2011	0.689383
Oct 25, 2011	Nov 23, 2011	0.677033
Nov 25, 2011	Dec 23, 2011	0.668856
Dec 27, 2011	Jan 24, 2012	0.652068
Jan 25, 2012	Feb 24, 2012	0.636093
Feb 27, 2012	Mar 23, 2012	0.627514
Mar 26, 2012	Apr 24, 2012	0.622185
Apr 25, 2012	May 24, 2012	0.612901
May 25, 2012	Jun 22, 2012	0.601486
Jun 25, 2012	Jul 24, 2012	0.594481
Jul 25, 2012	Aug 24, 2012	0.566571
Aug 27, 2012	Sep 24, 2012	0.553998
Sep 25, 2012	Oct 24, 2012	0.545725
Oct 25, 2012	Nov 23, 2012	0.544361
Nov 26, 2012	Dec 24, 2012	0.536665
Dec 26, 2012	Jan 24, 2013	0.530399
Jan 25, 2013	Feb 22, 2013	0.527458
Feb 25, 2013	Mar 22, 2013	0.526862
Mar 25, 2013	Apr 24, 2013	0.521178
Apr 25, 2013	May 24, 2013	0.518050
May 28, 2013	Jun 24, 2013	0.516131
Jun 25, 2013	Jul 24, 2013	0.514433
Jul 25, 2013	Aug 23, 2013	0.499149
Aug 26, 2013	Sep 24, 2013	0.486096
Sep 25, 2013	Oct 24, 2013	0.483167
Oct 25, 2013	Nov 22, 2013	0.482161
Nov 25, 2013	Dec 24, 2013	0.476224
Dec 26, 2013	Jan 24, 2014	0.475318
Jan 27, 2014	Feb 24, 2014	0.473717
Feb 25, 2014	Mar 24, 2014	0.467460
Mar 25, 2014	Apr 24, 2014	0.465069
Apr 25, 2014	May 23, 2014	0.458605
May 27, 2014	Jun 24, 2014	0.439558
Jun 25, 2014	Jul 24, 2014	0.434577
Jul 25, 2014	Aug 22, 2014	0.432682
Aug 25, 2014	Sep 24, 2014	0.432698
Sep 25, 2014	Oct 24, 2014	0.426277
Oct 27, 2014	Nov 24, 2014	0.421570
Nov 25, 2014	Dec 24, 2014	0.417409
Dec 26, 2014	Jan 23, 2015	0.408020
Jan 26, 2015	Feb 24, 2015	0.404676
Feb 25, 2015	Mar 24, 2015	0.404726
Mar 25, 2015	Apr 24, 2015	0.399027
Apr 27, 2015	May 22, 2015	0.391342
May 26, 2015	Jun 24, 2015	0.388502
Jun 25, 2015		0.382464

2A1H Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999875
Jul 25, 2007	Aug 24, 2007	0.984022
Aug 27, 2007	Sep 24, 2007	0.973774
Sep 25, 2007	Oct 24, 2007	0.972250
Oct 25, 2007	Nov 23, 2007	0.970089
Nov 26, 2007	Dec 24, 2007	0.962495
Dec 26, 2007	Jan 24, 2008	0.957850
Jan 25, 2008	Feb 22, 2008	0.955585
Feb 25, 2008	Mar 24, 2008	0.951683
Mar 25, 2008	Apr 24, 2008	0.948098
Apr 25, 2008	May 23, 2008	0.938862
May 27, 2008	Jun 24, 2008	0.935529
Jun 25, 2008	Jul 24, 2008	0.928411
Jul 25, 2008	Aug 22, 2008	0.924418
Aug 25, 2008	Sep 24, 2008	0.923952
Sep 25, 2008	Oct 24, 2008	0.922937
Oct 27, 2008	Nov 24, 2008	0.917303
Nov 25, 2008	Dec 24, 2008	0.917201
Dec 26, 2008	Jan 23, 2009	0.917091
Jan 26, 2009	Feb 24, 2009	0.910095
Feb 25, 2009	Mar 24, 2009	0.908104
Mar 25, 2009	Apr 24, 2009	0.901496
Apr 27, 2009	May 22, 2009	0.890034
May 26, 2009	Jun 24, 2009	0.887211
Jun 25, 2009	Jul 24, 2009	0.881344
Jul 27, 2009	Aug 24, 2009	0.881266
Aug 25, 2009	Sep 24, 2009	0.870063
Sep 25, 2009	Oct 23, 2009	0.861314
Oct 26, 2009	Nov 24, 2009	0.852372
Nov 25, 2009	Dec 24, 2009	0.846451
Dec 28, 2009	Jan 22, 2010	0.840398
Jan 25, 2010	Feb 24, 2010	0.832713
Feb 25, 2010	Mar 24, 2010	0.830988
Mar 25, 2010	Apr 23, 2010	0.826133
Apr 26, 2010	May 24, 2010	0.823767
May 25, 2010	Jun 24, 2010	0.821521
Jun 25, 2010	Jul 23, 2010	0.811325
Jul 26, 2010	Aug 24, 2010	0.809962
Aug 25, 2010	Sep 24, 2010	0.803604
Sep 27, 2010	Oct 22, 2010	0.798534
Oct 25, 2010	Nov 24, 2010	0.780719
Nov 26, 2010	Dec 23, 2010	0.780719
Dec 27, 2010	Jan 24, 2011	0.777815
Jan 25, 2011	Feb 24, 2011	0.767157
Feb 25, 2011	Mar 24, 2011	0.764129
Mar 25, 2011	Apr 22, 2011	0.755875
Apr 25, 2011	May 24, 2011	0.749631
May 25, 2011	Jun 24, 2011	0.736448
Jun 27, 2011	Jul 22, 2011	0.722405
Jul 25, 2011	Aug 24, 2011	0.709163

2A1H Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.690489
Sep 26, 2011	Oct 24, 2011	0.689383
Oct 25, 2011	Nov 23, 2011	0.677033
Nov 25, 2011	Dec 23, 2011	0.668856
Dec 27, 2011	Jan 24, 2012	0.652068
Jan 25, 2012	Feb 24, 2012	0.636093
Feb 27, 2012	Mar 23, 2012	0.627514
Mar 26, 2012	Apr 24, 2012	0.622185
Apr 25, 2012	May 24, 2012	0.612901
May 25, 2012	Jun 22, 2012	0.601486
Jun 25, 2012	Jul 24, 2012	0.594481
Jul 25, 2012	Aug 24, 2012	0.566571
Aug 27, 2012	Sep 24, 2012	0.553998
Sep 25, 2012	Oct 24, 2012	0.545725
Oct 25, 2012	Nov 23, 2012	0.544361
Nov 26, 2012	Dec 24, 2012	0.536665
Dec 26, 2012	Jan 24, 2013	0.530399
Jan 25, 2013	Feb 22, 2013	0.527458
Feb 25, 2013	Mar 22, 2013	0.526862
Mar 25, 2013	Apr 24, 2013	0.521178
Apr 25, 2013	May 24, 2013	0.518050
May 28, 2013	Jun 24, 2013	0.516131
Jun 25, 2013	Jul 24, 2013	0.514433
Jul 25, 2013	Aug 23, 2013	0.499149
Aug 26, 2013	Sep 24, 2013	0.486096
Sep 25, 2013	Oct 24, 2013	0.483167
Oct 25, 2013	Nov 22, 2013	0.482161
Nov 25, 2013	Dec 24, 2013	0.476224
Dec 26, 2013	Jan 24, 2014	0.475318
Jan 27, 2014	Feb 24, 2014	0.473717
Feb 25, 2014	Mar 24, 2014	0.467460
Mar 25, 2014	Apr 24, 2014	0.465069
Apr 25, 2014	May 23, 2014	0.458605
May 27, 2014	Jun 24, 2014	0.439558
Jun 25, 2014	Jul 24, 2014	0.434577
Jul 25, 2014	Aug 22, 2014	0.432682
Aug 25, 2014	Sep 24, 2014	0.432698
Sep 25, 2014	Oct 24, 2014	0.426277
Oct 27, 2014	Nov 24, 2014	0.421570
Nov 25, 2014	Dec 24, 2014	0.417409
Dec 26, 2014	Jan 23, 2015	0.408020
Jan 26, 2015	Feb 24, 2015	0.404676
Feb 25, 2015	Mar 24, 2015	0.404726
Mar 25, 2015	Apr 24, 2015	0.399027
Apr 27, 2015	May 22, 2015	0.391342
May 26, 2015	Jun 24, 2015	0.388502
Jun 25, 2015		0.382464

2A1I Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999875
Jul 25, 2007	Aug 24, 2007	0.984022
Aug 27, 2007	Sep 24, 2007	0.973774
Sep 25, 2007	Oct 24, 2007	0.972250
Oct 25, 2007	Nov 23, 2007	0.970089
Nov 26, 2007	Dec 24, 2007	0.962495
Dec 26, 2007	Jan 24, 2008	0.957850
Jan 25, 2008	Feb 22, 2008	0.955585
Feb 25, 2008	Mar 24, 2008	0.951683
Mar 25, 2008	Apr 24, 2008	0.948098
Apr 25, 2008	May 23, 2008	0.938862
May 27, 2008	Jun 24, 2008	0.935529
Jun 25, 2008	Jul 24, 2008	0.928411
Jul 25, 2008	Aug 22, 2008	0.924418
Aug 25, 2008	Sep 24, 2008	
Sep 25, 2008	Oct 24, 2008	0.923952
Oct 27, 2008	Nov 24, 2008	0.922937
Nov 25, 2008	Dec 24, 2008	0.917303
Dec 26, 2008	Jan 23, 2009	0.917201
Jan 26, 2009	Feb 24, 2009	0.917091
Feb 25, 2009	Mar 24, 2009	0.910095
Mar 25, 2009	Apr 24, 2009	0.908104
Apr 27, 2009	May 22, 2009	0.901496
May 26, 2009	Jun 24, 2009	0.890034
Jun 25, 2009	Jul 24, 2009	0.887211
		0.881344
Jul 27, 2009	Aug 24, 2009	0.881266
Aug 25, 2009 Sep 25, 2009	Sep 24, 2009 Oct 23, 2009	0.870063
Oct 26, 2009	Nov 24, 2009	0.861314
Nov 25, 2009	Dec 24, 2009	0.852372
Dec 28, 2009	Jan 22, 2010	0.846451
Jan 25, 2010	Feb 24, 2010	0.840398
Feb 25, 2010	Mar 24, 2010	0.832713
Mar 25, 2010	Apr 23, 2010	0.830988
Apr 26, 2010	May 24, 2010	0.826133
May 25, 2010	Jun 24, 2010	0.823767
Jun 25, 2010	Jul 23, 2010	0.821521
Jul 26, 2010	Aug 24, 2010	0.811325
Aug 25, 2010	Sep 24, 2010	0.809962
Sep 27, 2010	Oct 22, 2010	0.803604
Oct 25, 2010	Nov 24, 2010	0.798534
Nov 26, 2010	Dec 23, 2010	0.780719
Dec 27, 2010	Jan 24, 2011	0.77815
Jan 25, 2011	Feb 24, 2011	0.767157
Feb 25, 2011	Mar 24, 2011	0.764129
Mar 25, 2011	Apr 22, 2011	0.755875
Apr 25, 2011	May 24, 2011	0.749631
May 25, 2011	Jun 24, 2011	0.736448
Jun 27, 2011	Jul 22, 2011	0.722405
Jul 25, 2011	Aug 24, 2011	0.709163

2A1I Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.690489
Sep 26, 2011	Oct 24, 2011	0.689383
Oct 25, 2011	Nov 23, 2011	0.677033
Nov 25, 2011	Dec 23, 2011	0.668856
Dec 27, 2011	Jan 24, 2012	0.652068
Jan 25, 2012	Feb 24, 2012	0.636093
Feb 27, 2012	Mar 23, 2012	0.627514
Mar 26, 2012	Apr 24, 2012	0.622185
Apr 25, 2012	May 24, 2012	0.612901
May 25, 2012	Jun 22, 2012	0.601486
Jun 25, 2012	Jul 24, 2012	0.594481
Jul 25, 2012	Aug 24, 2012	0.566571
Aug 27, 2012	Sep 24, 2012	0.553998
Sep 25, 2012	Oct 24, 2012	0.545725
Oct 25, 2012	Nov 23, 2012	0.544361
Nov 26, 2012	Dec 24, 2012	0.536665
Dec 26, 2012	Jan 24, 2013	0.530399
Jan 25, 2013	Feb 22, 2013	0.527458
Feb 25, 2013	Mar 22, 2013	0.526862
Mar 25, 2013	Apr 24, 2013	0.521178
Apr 25, 2013	May 24, 2013	0.518050
May 28, 2013	Jun 24, 2013	0.516131
Jun 25, 2013	Jul 24, 2013	0.514433
Jul 25, 2013	Aug 23, 2013	0.499149
Aug 26, 2013	Sep 24, 2013	0.486096
Sep 25, 2013	Oct 24, 2013	0.483167
Oct 25, 2013	Nov 22, 2013	0.482161
Nov 25, 2013	Dec 24, 2013	0.476224
Dec 26, 2013	Jan 24, 2014	0.475318
Jan 27, 2014	Feb 24, 2014	0.473717
Feb 25, 2014	Mar 24, 2014	0.467460
Mar 25, 2014	Apr 24, 2014	0.465069
Apr 25, 2014	May 23, 2014	0.458605
May 27, 2014	Jun 24, 2014	0.439558
Jun 25, 2014	Jul 24, 2014	0.434577
Jul 25, 2014	Aug 22, 2014	0.432682
Aug 25, 2014	Sep 24, 2014	0.432698
Sep 25, 2014	Oct 24, 2014	0.426277
Oct 27, 2014	Nov 24, 2014	0.421570
Nov 25, 2014	Dec 24, 2014	0.417409
Dec 26, 2014	Jan 23, 2015	0.408020
Jan 26, 2015	Feb 24, 2015	0.404676
Feb 25, 2015	Mar 24, 2015	0.404726
Mar 25, 2015	Apr 24, 2015	0.399027
Apr 27, 2015	May 22, 2015	0.391342
May 26, 2015	Jun 24, 2015	0.388502
Jun 25, 2015		0.382464

2A1J Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999875
Jul 25, 2007	Aug 24, 2007	0.984022
Aug 27, 2007	Sep 24, 2007	0.973774
Sep 25, 2007	Oct 24, 2007	0.972250
Oct 25, 2007	Nov 23, 2007	0.970089
Nov 26, 2007	Dec 24, 2007	0.962495
Dec 26, 2007	Jan 24, 2008	0.957850
Jan 25, 2008	Feb 22, 2008	0.955585
Feb 25, 2008	Mar 24, 2008	0.951683
Mar 25, 2008	Apr 24, 2008	0.948098
Apr 25, 2008	May 23, 2008	0.938862
May 27, 2008	Jun 24, 2008	0.935529
Jun 25, 2008	Jul 24, 2008	0.928411
Jul 25, 2008	Aug 22, 2008	0.924418
Aug 25, 2008	Sep 24, 2008	0.923952
Sep 25, 2008	Oct 24, 2008	0.922937
Oct 27, 2008	Nov 24, 2008	0.917303
Nov 25, 2008	Dec 24, 2008	0.917201
Dec 26, 2008	Jan 23, 2009	0.917091
Jan 26, 2009	Feb 24, 2009	0.910095
Feb 25, 2009	Mar 24, 2009	0.908104
Mar 25, 2009	Apr 24, 2009	0.901496
Apr 27, 2009	May 22, 2009	0.890034
May 26, 2009	Jun 24, 2009	0.887211
Jun 25, 2009	Jul 24, 2009	0.881344
Jul 27, 2009	Aug 24, 2009	0.881266
Aug 25, 2009	Sep 24, 2009	0.870063
Sep 25, 2009	Oct 23, 2009	0.861314
Oct 26, 2009	Nov 24, 2009	0.852372
Nov 25, 2009	Dec 24, 2009	0.846451
Dec 28, 2009	Jan 22, 2010	0.840398
Jan 25, 2010	Feb 24, 2010	0.832713
Feb 25, 2010	Mar 24, 2010	0.830988
Mar 25, 2010	Apr 23, 2010	0.826133
Apr 26, 2010	May 24, 2010	0.823767
May 25, 2010	Jun 24, 2010	0.821521
Jun 25, 2010	Jul 23, 2010	0.811325
Jul 26, 2010	Aug 24, 2010	0.809962
Aug 25, 2010	Sep 24, 2010	0.803604
Sep 27, 2010	Oct 22, 2010	0.798534
Oct 25, 2010	Nov 24, 2010	0.780719
Nov 26, 2010	Dec 23, 2010	0.780719
Dec 27, 2010	Jan 24, 2011	0.777815
Jan 25, 2011	Feb 24, 2011	0.767157
Feb 25, 2011	Mar 24, 2011	0.764129
Mar 25, 2011	Apr 22, 2011	0.755875
Apr 25, 2011	May 24, 2011	0.749631
May 25, 2011	Jun 24, 2011	0.736448
Jun 27, 2011	Jul 22, 2011	0.722405
Jul 25, 2011	Aug 24, 2011	0.709163

2A1J Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.690489
Sep 26, 2011	Oct 24, 2011	0.689383
Oct 25, 2011	Nov 23, 2011	0.677033
Nov 25, 2011	Dec 23, 2011	0.668856
Dec 27, 2011	Jan 24, 2012	0.652068
Jan 25, 2012	Feb 24, 2012	0.636093
Feb 27, 2012	Mar 23, 2012	0.627514
Mar 26, 2012	Apr 24, 2012	0.622185
Apr 25, 2012	May 24, 2012	0.612901
May 25, 2012	Jun 22, 2012	0.601486
Jun 25, 2012	Jul 24, 2012	0.594481
Jul 25, 2012	Aug 24, 2012	0.566571
Aug 27, 2012	Sep 24, 2012	0.553998
Sep 25, 2012	Oct 24, 2012	0.545725
Oct 25, 2012	Nov 23, 2012	0.544361
Nov 26, 2012	Dec 24, 2012	0.536665
Dec 26, 2012	Jan 24, 2013	0.530399
Jan 25, 2013	Feb 22, 2013	0.527458
Feb 25, 2013	Mar 22, 2013	0.526862
Mar 25, 2013	Apr 24, 2013	0.521178
Apr 25, 2013	May 24, 2013	0.518050
May 28, 2013	Jun 24, 2013	0.516131
Jun 25, 2013	Jul 24, 2013	0.514433
Jul 25, 2013	Aug 23, 2013	0.499149
Aug 26, 2013	Sep 24, 2013	0.486096
Sep 25, 2013	Oct 24, 2013	0.483167
Oct 25, 2013	Nov 22, 2013	0.482161
Nov 25, 2013	Dec 24, 2013	0.476224
Dec 26, 2013	Jan 24, 2014	0.475318
Jan 27, 2014	Feb 24, 2014	0.473717
Feb 25, 2014	Mar 24, 2014	0.467460
Mar 25, 2014	Apr 24, 2014	0.465069
Apr 25, 2014	May 23, 2014	0.458605
May 27, 2014	Jun 24, 2014	0.439558
Jun 25, 2014	Jul 24, 2014	0.434577
Jul 25, 2014	Aug 22, 2014	0.432682
Aug 25, 2014	Sep 24, 2014	0.432698
Sep 25, 2014	Oct 24, 2014	0.426277
Oct 27, 2014	Nov 24, 2014	0.421570
Nov 25, 2014	Dec 24, 2014	0.417409
Dec 26, 2014	Jan 23, 2015	0.408020
Jan 26, 2015	Feb 24, 2015	0.404676
Feb 25, 2015	Mar 24, 2015	0.404726
Mar 25, 2015	Apr 24, 2015	0.399027
Apr 27, 2015	May 22, 2015	0.391342
May 26, 2015	Jun 24, 2015	0.388502
Jun 25, 2015		0.382464

2A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999875
Jul 25, 2007	Aug 24, 2007	0.984022
Aug 27, 2007	Sep 24, 2007	0.973774
Sep 25, 2007	Oct 24, 2007	0.972250
Oct 25, 2007	Nov 23, 2007	0.970089
Nov 26, 2007	Dec 24, 2007	0.962495
Dec 26, 2007	Jan 24, 2008	0.957850
Jan 25, 2008	Feb 22, 2008	0.955585
Feb 25, 2008	Mar 24, 2008	0.951683
Mar 25, 2008	Apr 24, 2008	0.948098
Apr 25, 2008	May 23, 2008	0.938862
May 27, 2008	Jun 24, 2008	0.935529
Jun 25, 2008	Jul 24, 2008	0.928411
Jul 25, 2008	Aug 22, 2008	0.924418
Aug 25, 2008	Sep 24, 2008	0.923952
Sep 25, 2008	Oct 24, 2008	0.922937
Oct 27, 2008	Nov 24, 2008	0.917303
Nov 25, 2008	Dec 24, 2008	0.917201
Dec 26, 2008	Jan 23, 2009	0.917091
Jan 26, 2009	Feb 24, 2009	0.910095
Feb 25, 2009	Mar 24, 2009	0.908104
Mar 25, 2009	Apr 24, 2009	0.901496
Apr 27, 2009	May 22, 2009	0.890034
May 26, 2009	Jun 24, 2009	0.887211
Jun 25, 2009	Jul 24, 2009	0.881344
Jul 27, 2009	Aug 24, 2009	0.881266
Aug 25, 2009	Sep 24, 2009	0.870063
Sep 25, 2009	Oct 23, 2009	0.861314
Oct 26, 2009	Nov 24, 2009	0.852372
Nov 25, 2009	Dec 24, 2009	0.846451
Dec 28, 2009	Jan 22, 2010	0.840398
Jan 25, 2010	Feb 24, 2010	0.832713
Feb 25, 2010	Mar 24, 2010	0.830988
Mar 25, 2010	Apr 23, 2010	0.826133
Apr 26, 2010	May 24, 2010	0.823767
May 25, 2010	Jun 24, 2010	0.821521
Jun 25, 2010	Jul 23, 2010	0.811325
Jul 26, 2010	Aug 24, 2010	0.809962
Aug 25, 2010	Sep 24, 2010	0.739660
Sep 27, 2010	Oct 22, 2010	0.704156
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Jul 23, 2011	Aug 24, 2011	0.000000

2A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

3A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.990629
Jul 25, 2007	Aug 24, 2007	0.990383
Aug 27, 2007	Sep 24, 2007	0.961687
Sep 25, 2007	Oct 24, 2007	0.950037
Oct 25, 2007	Nov 23, 2007	0.949938
Nov 26, 2007	Dec 24, 2007	0.932301
Dec 26, 2007	Jan 24, 2008	0.914747
Jan 25, 2008	Feb 22, 2008	0.914691
Feb 25, 2008	Mar 24, 2008	0.887341
Mar 25, 2008	Apr 24, 2008	0.866149
Apr 25, 2008	May 23, 2008	0.866045
May 27, 2008	Jun 24, 2008	0.855065
Jun 25, 2008	Jul 24, 2008	0.843777
Jul 25, 2008	Aug 22, 2008	0.843677
Aug 25, 2008	Sep 24, 2008	0.833425
Sep 25, 2008	Oct 24, 2008	0.816316
Oct 27, 2008	Nov 24, 2008	0.816221
Nov 25, 2008	Dec 24, 2008	0.804485
Dec 26, 2008	Jan 23, 2009	0.804177
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	0.804073 0.795055
Mar 25, 2009	Apr 24, 2009	
Apr 27, 2009	May 22, 2009	0.794293
May 26, 2009	Jun 24, 2009	0.785536
Jun 25, 2009	Jul 24, 2009	0.774924
Jul 27, 2009	Aug 24, 2009	0.774847
Aug 25, 2009	Sep 24, 2009	0.774759 0.774529
Sep 25, 2009	Oct 23, 2009	0.774323
Oct 26, 2009	Nov 24, 2009	0.762066
Nov 25, 2009	Dec 24, 2009	0.754900
Dec 28, 2009	Jan 22, 2010	0.753924
Jan 25, 2010	Feb 24, 2010	0.748811
Feb 25, 2010	Mar 24, 2010	0.738227
Mar 25, 2010	Apr 23, 2010	0.725310
Apr 26, 2010	May 24, 2010	0.724883
May 25, 2010	Jun 24, 2010	0.724535
Jun 25, 2010	Jul 23, 2010	0.721064
Jul 26, 2010	Aug 24, 2010	0.711930
Aug 25, 2010	Sep 24, 2010	0.711930
Sep 27, 2010	Oct 22, 2010	0.707438
Oct 25, 2010	Nov 24, 2010	0.700274
Nov 26, 2010	Dec 23, 2010	0.699925
Dec 27, 2010	Jan 24, 2011	0.682918
Jan 25, 2011	Feb 24, 2011	0.682918
Feb 25, 2011	Mar 24, 2011	0.672914
Mar 25, 2011	Apr 22, 2011	0.670572
Apr 25, 2011	May 24, 2011	0.670376
May 25, 2011	Jun 24, 2011	0.661630
Jun 27, 2011	Jul 22, 2011	0.638509
Jul 25, 2011	Aug 24, 2011	0.631955

3A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.616786
Sep 26, 2011	Oct 24, 2011	0.608709
Oct 25, 2011	Nov 23, 2011	0.608709
Nov 25, 2011	Dec 23, 2011	0.608709
Dec 27, 2011	Jan 24, 2012	0.596349
Jan 25, 2012	Feb 24, 2012	0.594096
Feb 27, 2012	Mar 23, 2012	0.589436
Mar 26, 2012	Apr 24, 2012	0.585965
Apr 25, 2012	May 24, 2012	0.584093
May 25, 2012	Jun 22, 2012	0.579613
Jun 25, 2012	Jul 24, 2012	0.575096
Jul 25, 2012	Aug 24, 2012	0.572516
Aug 27, 2012	Sep 24, 2012	0.563949
Sep 25, 2012	Oct 24, 2012	0.563548
Oct 25, 2012	Nov 23, 2012	0.556301
Nov 26, 2012	Dec 24, 2012	0.548417
Dec 26, 2012	Jan 24, 2013	0.542975
Jan 25, 2013	Feb 22, 2013	0.537597
Feb 25, 2013	Mar 22, 2013	0.537135
Mar 25, 2013	Apr 24, 2013	0.534033
Apr 25, 2013	May 24, 2013	0.530828
May 28, 2013	Jun 24, 2013	0.530211
Jun 25, 2013	Jul 24, 2013	0.529575
Jul 25, 2013	Aug 23, 2013	0.517349
Aug 26, 2013	Sep 24, 2013	0.512522
Sep 25, 2013	Oct 24, 2013	0.512063
Oct 25, 2013	Nov 22, 2013	0.511803
Nov 25, 2013	Dec 24, 2013	0.511362
Dec 26, 2013	Jan 24, 2014	0.511025
Jan 27, 2014	Feb 24, 2014	0.509304
Feb 25, 2014	Mar 24, 2014	0.502577
Mar 25, 2014	Apr 24, 2014	0.500087
Apr 25, 2014	May 23, 2014	0.491971
May 27, 2014	Jun 24, 2014	0.475642
Jun 25, 2014	Jul 24, 2014	0.470909
Jul 25, 2014	Aug 22, 2014	0.468887
Aug 25, 2014	Sep 24, 2014	0.468618
Sep 25, 2014	Oct 24, 2014	0.465142
Oct 27, 2014	Nov 24, 2014	0.460009
Nov 25, 2014	Dec 24, 2014	0.455472
Dec 26, 2014	Jan 23, 2015	0.444877
Jan 26, 2015	Feb 24, 2015	0.444683
Feb 25, 2015	Mar 24, 2015	0.444158
Mar 25, 2015	Apr 24, 2015	0.420290
Apr 27, 2015	May 22, 2015	0.413754
May 26, 2015	Jun 24, 2015	0.410612
Jun 25, 2015		0.409102

3A1A Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.990629
Jul 25, 2007	Aug 24, 2007	0.990383
Aug 27, 2007	Sep 24, 2007	0.961687
Sep 25, 2007	Oct 24, 2007	0.950037
Oct 25, 2007	Nov 23, 2007	0.949938
Nov 26, 2007	Dec 24, 2007	0.932301
Dec 26, 2007	Jan 24, 2008	0.914747
Jan 25, 2008	Feb 22, 2008	0.914691
Feb 25, 2008	Mar 24, 2008	0.887341
Mar 25, 2008	Apr 24, 2008	0.866149
Apr 25, 2008	May 23, 2008	0.866045
May 27, 2008	Jun 24, 2008	0.855065
Jun 25, 2008	Jul 24, 2008	0.843777
Jul 25, 2008	Aug 22, 2008	0.843677
Aug 25, 2008	Sep 24, 2008	0.833425
Sep 25, 2008	Oct 24, 2008	0.816316
Oct 27, 2008	Nov 24, 2008	0.816221
Nov 25, 2008	Dec 24, 2008	0.804485
Dec 26, 2008	Jan 23, 2009	0.804177
Jan 26, 2009	Feb 24, 2009	0.804073
Feb 25, 2009	Mar 24, 2009	0.795055
Mar 25, 2009	Apr 24, 2009	0.794293
Apr 27, 2009	May 22, 2009	0.785536
May 26, 2009	Jun 24, 2009	0.774924
Jun 25, 2009	Jul 24, 2009	0.774847
Jul 27, 2009	Aug 24, 2009	0.774759
Aug 25, 2009	Sep 24, 2009	0.774529
Sep 25, 2009	Oct 23, 2009	0.766798
Oct 26, 2009	Nov 24, 2009	0.762066
Nov 25, 2009	Dec 24, 2009	0.754900
Dec 28, 2009	Jan 22, 2010	0.753924
Jan 25, 2010	Feb 24, 2010	0.748811
Feb 25, 2010	Mar 24, 2010	0.738227
Mar 25, 2010	Apr 23, 2010	0.725310
Apr 26, 2010	May 24, 2010	0.724883
May 25, 2010	Jun 24, 2010	0.724535
Jun 25, 2010	Jul 23, 2010	0.721064
Jul 26, 2010	Aug 24, 2010	0.711930
Aug 25, 2010	Sep 24, 2010	0.711930
Sep 27, 2010	Oct 22, 2010	0.707438
Oct 25, 2010	Nov 24, 2010	0.700274
Nov 26, 2010	Dec 23, 2010	0.699925
Dec 27, 2010	Jan 24, 2011	0.682918
Jan 25, 2011	Feb 24, 2011	0.682918
Feb 25, 2011	Mar 24, 2011	0.672914
Mar 25, 2011	Apr 22, 2011	0.670572
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.670376
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.661630
Jul 25, 2011	Aug 24, 2011	0.638509
Jui 23, 2011	Aug 24, 2011	0.631955

3A1A Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.616786
Sep 26, 2011	Oct 24, 2011	0.608709
Oct 25, 2011	Nov 23, 2011	0.608709
Nov 25, 2011	Dec 23, 2011	0.608709
Dec 27, 2011	Jan 24, 2012	0.596349
Jan 25, 2012	Feb 24, 2012	0.594096
Feb 27, 2012	Mar 23, 2012	0.589436
Mar 26, 2012	Apr 24, 2012	0.585965
Apr 25, 2012	May 24, 2012	0.584093
May 25, 2012	Jun 22, 2012	0.579613
Jun 25, 2012	Jul 24, 2012	0.575096
Jul 25, 2012	Aug 24, 2012	0.572516
Aug 27, 2012	Sep 24, 2012	0.563949
Sep 25, 2012	Oct 24, 2012	0.563548
Oct 25, 2012	Nov 23, 2012	0.556301
Nov 26, 2012	Dec 24, 2012	0.548417
Dec 26, 2012	Jan 24, 2013	0.542975
Jan 25, 2013	Feb 22, 2013	0.537597
Feb 25, 2013	Mar 22, 2013	0.537135
Mar 25, 2013	Apr 24, 2013	0.534033
Apr 25, 2013	May 24, 2013	0.530828
May 28, 2013	Jun 24, 2013	0.530211
Jun 25, 2013	Jul 24, 2013	0.529575
Jul 25, 2013	Aug 23, 2013	0.517349
Aug 26, 2013	Sep 24, 2013	0.512522
Sep 25, 2013	Oct 24, 2013	0.512063
Oct 25, 2013	Nov 22, 2013	0.511803
Nov 25, 2013	Dec 24, 2013	0.511362
Dec 26, 2013	Jan 24, 2014	0.511025
Jan 27, 2014	Feb 24, 2014	0.509304
Feb 25, 2014	Mar 24, 2014	0.502577
Mar 25, 2014	Apr 24, 2014	0.500087
Apr 25, 2014	May 23, 2014	0.491971
May 27, 2014	Jun 24, 2014	0.475642
Jun 25, 2014	Jul 24, 2014	0.470909
Jul 25, 2014	Aug 22, 2014	0.468887
Aug 25, 2014	Sep 24, 2014	0.468618
Sep 25, 2014	Oct 24, 2014	0.465142
Oct 27, 2014	Nov 24, 2014	0.460009
Nov 25, 2014	Dec 24, 2014	0.455472
Dec 26, 2014	Jan 23, 2015	0.444877
Jan 26, 2015	Feb 24, 2015	0.444683
Feb 25, 2015	Mar 24, 2015	0.444158
Mar 25, 2015	Apr 24, 2015	0.420290
Apr 27, 2015	May 22, 2015	0.413754
May 26, 2015	Jun 24, 2015	0.410612
Jun 25, 2015		0.409102

3A1B Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.990629
Jul 25, 2007	Aug 24, 2007	0.990383
Aug 27, 2007	Sep 24, 2007	0.961687
Sep 25, 2007	Oct 24, 2007	0.950037
Oct 25, 2007	Nov 23, 2007	0.949938
Nov 26, 2007	Dec 24, 2007	0.932301
Dec 26, 2007	Jan 24, 2008	0.914747
Jan 25, 2008	Feb 22, 2008	0.914691
Feb 25, 2008	Mar 24, 2008	0.887341
Mar 25, 2008	Apr 24, 2008	0.866149
Apr 25, 2008	May 23, 2008	0.866045
May 27, 2008	Jun 24, 2008	0.855065
Jun 25, 2008	Jul 24, 2008	0.843777
Jul 25, 2008	Aug 22, 2008	0.843677
Aug 25, 2008	Sep 24, 2008	0.833425
Sep 25, 2008	Oct 24, 2008	0.816316
Oct 27, 2008	Nov 24, 2008	0.816221
Nov 25, 2008	Dec 24, 2008	0.804485
Dec 26, 2008	Jan 23, 2009	0.804177
Jan 26, 2009	Feb 24, 2009	0.804073
Feb 25, 2009	Mar 24, 2009	0.795055
Mar 25, 2009	Apr 24, 2009	0.794293
Apr 27, 2009	May 22, 2009	0.785536
May 26, 2009	Jun 24, 2009	0.774924
Jun 25, 2009	Jul 24, 2009	0.774847
Jul 27, 2009	Aug 24, 2009	0.774759
Aug 25, 2009	Sep 24, 2009	0.774529
Sep 25, 2009	Oct 23, 2009	0.766798
Oct 26, 2009	Nov 24, 2009	0.762066
Nov 25, 2009	Dec 24, 2009	0.754900
Dec 28, 2009	Jan 22, 2010	0.753924
Jan 25, 2010	Feb 24, 2010	0.748811
Feb 25, 2010	Mar 24, 2010	0.738227
Mar 25, 2010	Apr 23, 2010	0.725310
Apr 26, 2010	May 24, 2010	0.724883
May 25, 2010	Jun 24, 2010	0.724535
Jun 25, 2010	Jul 23, 2010	0.721064
Jul 26, 2010	Aug 24, 2010	0.711930
Aug 25, 2010	Sep 24, 2010	0.711930
Sep 27, 2010	Oct 22, 2010	0.707438
Oct 25, 2010	Nov 24, 2010	0.700274
Nov 26, 2010	Dec 23, 2010	0.699925
Dec 27, 2010	Jan 24, 2011	0.682918
Jan 25, 2011	Feb 24, 2011	0.682918
Feb 25, 2011	Mar 24, 2011	0.672914
Mar 25, 2011	Apr 22, 2011	0.670572
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.670376
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.661630
Jul 25, 2011	Aug 24, 2011	0.638509
Jui 23, 2011	Aug 24, 2011	0.631955

3A1B Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.616786
Sep 26, 2011	Oct 24, 2011	0.608709
Oct 25, 2011	Nov 23, 2011	0.608709
Nov 25, 2011	Dec 23, 2011	0.608709
Dec 27, 2011	Jan 24, 2012	0.596349
Jan 25, 2012	Feb 24, 2012	0.594096
Feb 27, 2012	Mar 23, 2012	0.589436
Mar 26, 2012	Apr 24, 2012	0.585965
Apr 25, 2012	May 24, 2012	0.584093
May 25, 2012	Jun 22, 2012	0.579613
Jun 25, 2012	Jul 24, 2012	0.575096
Jul 25, 2012	Aug 24, 2012	0.572516
Aug 27, 2012	Sep 24, 2012	0.563949
Sep 25, 2012	Oct 24, 2012	0.563548
Oct 25, 2012	Nov 23, 2012	0.556301
Nov 26, 2012	Dec 24, 2012	0.548417
Dec 26, 2012	Jan 24, 2013	0.542975
Jan 25, 2013	Feb 22, 2013	0.537597
Feb 25, 2013	Mar 22, 2013	0.537135
Mar 25, 2013	Apr 24, 2013	0.534033
Apr 25, 2013	May 24, 2013	0.530828
May 28, 2013	Jun 24, 2013	0.530211
Jun 25, 2013	Jul 24, 2013	0.529575
Jul 25, 2013	Aug 23, 2013	0.517349
Aug 26, 2013	Sep 24, 2013	0.512522
Sep 25, 2013	Oct 24, 2013	0.512063
Oct 25, 2013	Nov 22, 2013	0.511803
Nov 25, 2013	Dec 24, 2013	0.511362
Dec 26, 2013	Jan 24, 2014	0.511025
Jan 27, 2014	Feb 24, 2014	0.509304
Feb 25, 2014	Mar 24, 2014	0.502577
Mar 25, 2014	Apr 24, 2014	0.500087
Apr 25, 2014	May 23, 2014	0.491971
May 27, 2014	Jun 24, 2014	0.475642
Jun 25, 2014	Jul 24, 2014	0.470909
Jul 25, 2014	Aug 22, 2014	0.468887
Aug 25, 2014	Sep 24, 2014	0.468618
Sep 25, 2014	Oct 24, 2014	0.465142
Oct 27, 2014	Nov 24, 2014	0.460009
Nov 25, 2014	Dec 24, 2014	0.455472
Dec 26, 2014	Jan 23, 2015	0.444877
Jan 26, 2015	Feb 24, 2015	0.444683
Feb 25, 2015	Mar 24, 2015	0.444158
Mar 25, 2015	Apr 24, 2015	0.420290
Apr 27, 2015	May 22, 2015	0.413754
May 26, 2015	Jun 24, 2015	0.410612
Jun 25, 2015		0.409102

3A1C Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.990629
Jul 25, 2007	Aug 24, 2007	0.990383
Aug 27, 2007	Sep 24, 2007	0.961687
Sep 25, 2007	Oct 24, 2007	0.950037
Oct 25, 2007	Nov 23, 2007	0.949938
Nov 26, 2007	Dec 24, 2007	0.932301
Dec 26, 2007	Jan 24, 2008	0.914747
Jan 25, 2008	Feb 22, 2008	0.914691
Feb 25, 2008	Mar 24, 2008	0.887341
Mar 25, 2008	Apr 24, 2008	0.866149
Apr 25, 2008	May 23, 2008	0.866045
May 27, 2008	Jun 24, 2008	0.855065
Jun 25, 2008	Jul 24, 2008	0.843777
Jul 25, 2008	Aug 22, 2008	0.843677
Aug 25, 2008	Sep 24, 2008	0.833425
Sep 25, 2008	Oct 24, 2008	0.816316
Oct 27, 2008	Nov 24, 2008	0.816221
Nov 25, 2008	Dec 24, 2008	0.804485
Dec 26, 2008	Jan 23, 2009	0.804177
Jan 26, 2009	Feb 24, 2009	0.804073
Feb 25, 2009	Mar 24, 2009	0.795055
Mar 25, 2009	Apr 24, 2009	0.794293
Apr 27, 2009	May 22, 2009	0.785536
May 26, 2009	Jun 24, 2009	0.774924
Jun 25, 2009	Jul 24, 2009	0.774847
Jul 27, 2009	Aug 24, 2009	0.774759
Aug 25, 2009	Sep 24, 2009	0.774529
Sep 25, 2009	Oct 23, 2009	0.766798
Oct 26, 2009	Nov 24, 2009	0.762066
Nov 25, 2009	Dec 24, 2009	0.754900
Dec 28, 2009	Jan 22, 2010	0.753924
Jan 25, 2010	Feb 24, 2010	0.748811
Feb 25, 2010	Mar 24, 2010	0.738227
Mar 25, 2010	Apr 23, 2010	0.725310
Apr 26, 2010	May 24, 2010	0.724883
May 25, 2010	Jun 24, 2010	0.724535
Jun 25, 2010	Jul 23, 2010	0.721064
Jul 26, 2010	Aug 24, 2010	0.711930
Aug 25, 2010	Sep 24, 2010	0.711930
Sep 27, 2010	Oct 22, 2010	0.707438
Oct 25, 2010	Nov 24, 2010	0.700274
Nov 26, 2010	Dec 23, 2010	0.699925
Dec 27, 2010	Jan 24, 2011	0.682918
Jan 25, 2011	Feb 24, 2011	0.682918
Feb 25, 2011	Mar 24, 2011	0.672914
Mar 25, 2011	Apr 22, 2011	0.670572
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.670376
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.661630
Jul 25, 2011	Aug 24, 2011	0.638509
Jui 23, 2011	Aug 24, 2011	0.631955

3A1C Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.616786
Sep 26, 2011	Oct 24, 2011	0.608709
Oct 25, 2011	Nov 23, 2011	0.608709
Nov 25, 2011	Dec 23, 2011	0.608709
Dec 27, 2011	Jan 24, 2012	0.596349
Jan 25, 2012	Feb 24, 2012	0.594096
Feb 27, 2012	Mar 23, 2012	0.589436
Mar 26, 2012	Apr 24, 2012	0.585965
Apr 25, 2012	May 24, 2012	0.584093
May 25, 2012	Jun 22, 2012	0.579613
Jun 25, 2012	Jul 24, 2012	0.575096
Jul 25, 2012	Aug 24, 2012	0.572516
Aug 27, 2012	Sep 24, 2012	0.563949
Sep 25, 2012	Oct 24, 2012	0.563548
Oct 25, 2012	Nov 23, 2012	0.556301
Nov 26, 2012	Dec 24, 2012	0.548417
Dec 26, 2012	Jan 24, 2013	0.542975
Jan 25, 2013	Feb 22, 2013	0.537597
Feb 25, 2013	Mar 22, 2013	0.537135
Mar 25, 2013	Apr 24, 2013	0.534033
Apr 25, 2013	May 24, 2013	0.530828
May 28, 2013	Jun 24, 2013	0.530211
Jun 25, 2013	Jul 24, 2013	0.529575
Jul 25, 2013	Aug 23, 2013	0.517349
Aug 26, 2013	Sep 24, 2013	0.512522
Sep 25, 2013	Oct 24, 2013	0.512063
Oct 25, 2013	Nov 22, 2013	0.511803
Nov 25, 2013	Dec 24, 2013	0.511362
Dec 26, 2013	Jan 24, 2014	0.511025
Jan 27, 2014	Feb 24, 2014	0.509304
Feb 25, 2014	Mar 24, 2014	0.502577
Mar 25, 2014	Apr 24, 2014	0.500087
Apr 25, 2014	May 23, 2014	0.491971
May 27, 2014	Jun 24, 2014	0.475642
Jun 25, 2014	Jul 24, 2014	0.470909
Jul 25, 2014	Aug 22, 2014	0.468887
Aug 25, 2014	Sep 24, 2014	0.468618
Sep 25, 2014	Oct 24, 2014	0.465142
Oct 27, 2014	Nov 24, 2014	0.460009
Nov 25, 2014	Dec 24, 2014	0.455472
Dec 26, 2014	Jan 23, 2015	0.444877
Jan 26, 2015	Feb 24, 2015	0.444683
Feb 25, 2015	Mar 24, 2015	0.444158
Mar 25, 2015	Apr 24, 2015	0.420290
Apr 27, 2015	May 22, 2015	0.413754
May 26, 2015	Jun 24, 2015	0.410612
Jun 25, 2015		0.409102

3A1D Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.990629
Jul 25, 2007	Aug 24, 2007	0.990383
Aug 27, 2007	Sep 24, 2007	0.961687
Sep 25, 2007	Oct 24, 2007	0.950037
Oct 25, 2007	Nov 23, 2007	0.949938
Nov 26, 2007	Dec 24, 2007	0.932301
Dec 26, 2007	Jan 24, 2008	0.914747
Jan 25, 2008	Feb 22, 2008	0.914691
Feb 25, 2008	Mar 24, 2008	0.887341
Mar 25, 2008	Apr 24, 2008	0.866149
Apr 25, 2008	May 23, 2008	0.866045
May 27, 2008	Jun 24, 2008	0.855065
Jun 25, 2008	Jul 24, 2008	0.843777
Jul 25, 2008	Aug 22, 2008	0.843677
Aug 25, 2008	Sep 24, 2008	0.833425
Sep 25, 2008	Oct 24, 2008	0.816316
Oct 27, 2008	Nov 24, 2008	0.816221
Nov 25, 2008	Dec 24, 2008	0.804485
Dec 26, 2008	Jan 23, 2009	0.804177
Jan 26, 2009	Feb 24, 2009	0.804073
Feb 25, 2009	Mar 24, 2009	0.795055
Mar 25, 2009	Apr 24, 2009	0.794293
Apr 27, 2009	May 22, 2009	0.785536
May 26, 2009	Jun 24, 2009	0.774924
Jun 25, 2009	Jul 24, 2009	0.774847
Jul 27, 2009	Aug 24, 2009	0.774759
Aug 25, 2009	Sep 24, 2009	0.774529
Sep 25, 2009	Oct 23, 2009	0.766798
Oct 26, 2009	Nov 24, 2009	0.762066
Nov 25, 2009	Dec 24, 2009	0.754900
Dec 28, 2009	Jan 22, 2010	0.753924
Jan 25, 2010	Feb 24, 2010	0.748811
Feb 25, 2010	Mar 24, 2010	0.738227
Mar 25, 2010	Apr 23, 2010	0.725310
Apr 26, 2010	May 24, 2010	0.724883
May 25, 2010	Jun 24, 2010	0.724535
Jun 25, 2010	Jul 23, 2010	0.721064
Jul 26, 2010	Aug 24, 2010	0.711930
Aug 25, 2010	Sep 24, 2010	0.711930
Sep 27, 2010	Oct 22, 2010	0.707438
Oct 25, 2010	Nov 24, 2010	0.700274
Nov 26, 2010	Dec 23, 2010	0.699925
Dec 27, 2010	Jan 24, 2011	0.682918
Jan 25, 2011	Feb 24, 2011	0.682918
Feb 25, 2011	Mar 24, 2011	0.672914
Mar 25, 2011	Apr 22, 2011	0.670572
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.670376
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.661630
Jul 25, 2011	Aug 24, 2011	0.638509
Jui 23, 2011	Aug 24, 2011	0.631955

3A1D Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.616786
Sep 26, 2011	Oct 24, 2011	0.608709
Oct 25, 2011	Nov 23, 2011	0.608709
Nov 25, 2011	Dec 23, 2011	0.608709
Dec 27, 2011	Jan 24, 2012	0.596349
Jan 25, 2012	Feb 24, 2012	0.594096
Feb 27, 2012	Mar 23, 2012	0.589436
Mar 26, 2012	Apr 24, 2012	0.585965
Apr 25, 2012	May 24, 2012	0.584093
May 25, 2012	Jun 22, 2012	0.579613
Jun 25, 2012	Jul 24, 2012	0.575096
Jul 25, 2012	Aug 24, 2012	0.572516
Aug 27, 2012	Sep 24, 2012	0.563949
Sep 25, 2012	Oct 24, 2012	0.563548
Oct 25, 2012	Nov 23, 2012	0.556301
Nov 26, 2012	Dec 24, 2012	0.548417
Dec 26, 2012	Jan 24, 2013	0.542975
Jan 25, 2013	Feb 22, 2013	0.537597
Feb 25, 2013	Mar 22, 2013	0.537135
Mar 25, 2013	Apr 24, 2013	0.534033
Apr 25, 2013	May 24, 2013	0.530828
May 28, 2013	Jun 24, 2013	0.530211
Jun 25, 2013	Jul 24, 2013	0.529575
Jul 25, 2013	Aug 23, 2013	0.517349
Aug 26, 2013	Sep 24, 2013	0.512522
Sep 25, 2013	Oct 24, 2013	0.512063
Oct 25, 2013	Nov 22, 2013	0.511803
Nov 25, 2013	Dec 24, 2013	0.511362
Dec 26, 2013	Jan 24, 2014	0.511025
Jan 27, 2014	Feb 24, 2014	0.509304
Feb 25, 2014	Mar 24, 2014	0.502577
Mar 25, 2014	Apr 24, 2014	0.500087
Apr 25, 2014	May 23, 2014	0.491971
May 27, 2014	Jun 24, 2014	0.475642
Jun 25, 2014	Jul 24, 2014	0.470909
Jul 25, 2014	Aug 22, 2014	0.468887
Aug 25, 2014	Sep 24, 2014	0.468618
Sep 25, 2014	Oct 24, 2014	0.465142
Oct 27, 2014	Nov 24, 2014	0.460009
Nov 25, 2014	Dec 24, 2014	0.455472
Dec 26, 2014	Jan 23, 2015	0.444877
Jan 26, 2015	Feb 24, 2015	0.444683
Feb 25, 2015	Mar 24, 2015	0.444158
Mar 25, 2015	Apr 24, 2015	0.420290
Apr 27, 2015	May 22, 2015	0.413754
May 26, 2015	Jun 24, 2015	0.410612
Jun 25, 2015		0.409102

3A1E Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.990629
Jul 25, 2007	Aug 24, 2007	0.990383
Aug 27, 2007	Sep 24, 2007	0.961687
Sep 25, 2007	Oct 24, 2007	0.950037
Oct 25, 2007	Nov 23, 2007	0.949938
Nov 26, 2007	Dec 24, 2007	0.932301
Dec 26, 2007	Jan 24, 2008	0.914747
Jan 25, 2008	Feb 22, 2008	0.914691
Feb 25, 2008	Mar 24, 2008	0.887341
Mar 25, 2008	Apr 24, 2008	0.866149
Apr 25, 2008	May 23, 2008	0.866045
May 27, 2008	Jun 24, 2008	0.855065
Jun 25, 2008	Jul 24, 2008	0.843777
Jul 25, 2008	Aug 22, 2008	0.843677
Aug 25, 2008	Sep 24, 2008	0.833425
Sep 25, 2008	Oct 24, 2008	0.816316
Oct 27, 2008	Nov 24, 2008	0.816221
Nov 25, 2008	Dec 24, 2008	0.804485
Dec 26, 2008	Jan 23, 2009	0.804177
Jan 26, 2009	Feb 24, 2009	0.804073
Feb 25, 2009	Mar 24, 2009	0.795055
Mar 25, 2009	Apr 24, 2009	0.794293
Apr 27, 2009	May 22, 2009	0.785536
May 26, 2009	Jun 24, 2009	0.774924
Jun 25, 2009	Jul 24, 2009	0.774847
Jul 27, 2009	Aug 24, 2009	0.774759
Aug 25, 2009	Sep 24, 2009	0.774529
Sep 25, 2009	Oct 23, 2009	0.766798
Oct 26, 2009	Nov 24, 2009	0.762066
Nov 25, 2009	Dec 24, 2009	0.754900
Dec 28, 2009	Jan 22, 2010	0.753924
Jan 25, 2010	Feb 24, 2010	0.748811
Feb 25, 2010	Mar 24, 2010	0.738227
Mar 25, 2010	Apr 23, 2010	0.725310
Apr 26, 2010	May 24, 2010	0.724883
May 25, 2010	Jun 24, 2010	0.724535
Jun 25, 2010	Jul 23, 2010	0.721064
Jul 26, 2010	Aug 24, 2010	0.711930
Aug 25, 2010	Sep 24, 2010	0.711930
Sep 27, 2010	Oct 22, 2010	0.707438
Oct 25, 2010	Nov 24, 2010	0.700274
Nov 26, 2010	Dec 23, 2010	0.699925
Dec 27, 2010	Jan 24, 2011	0.682918
Jan 25, 2011	Feb 24, 2011	0.682918
Feb 25, 2011	Mar 24, 2011	0.672914
Mar 25, 2011	Apr 22, 2011	0.670572
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.670376
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.661630
Jul 25, 2011	Aug 24, 2011	0.638509
Jui 23, 2011	Aug 24, 2011	0.631955

3A1E Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.616786
Sep 26, 2011	Oct 24, 2011	0.608709
Oct 25, 2011	Nov 23, 2011	0.608709
Nov 25, 2011	Dec 23, 2011	0.608709
Dec 27, 2011	Jan 24, 2012	0.596349
Jan 25, 2012	Feb 24, 2012	0.594096
Feb 27, 2012	Mar 23, 2012	0.589436
Mar 26, 2012	Apr 24, 2012	0.585965
Apr 25, 2012	May 24, 2012	0.584093
May 25, 2012	Jun 22, 2012	0.579613
Jun 25, 2012	Jul 24, 2012	0.575096
Jul 25, 2012	Aug 24, 2012	0.572516
Aug 27, 2012	Sep 24, 2012	0.563949
Sep 25, 2012	Oct 24, 2012	0.563548
Oct 25, 2012	Nov 23, 2012	0.556301
Nov 26, 2012	Dec 24, 2012	0.548417
Dec 26, 2012	Jan 24, 2013	0.542975
Jan 25, 2013	Feb 22, 2013	0.537597
Feb 25, 2013	Mar 22, 2013	0.537135
Mar 25, 2013	Apr 24, 2013	0.534033
Apr 25, 2013	May 24, 2013	0.530828
May 28, 2013	Jun 24, 2013	0.530211
Jun 25, 2013	Jul 24, 2013	0.529575
Jul 25, 2013	Aug 23, 2013	0.517349
Aug 26, 2013	Sep 24, 2013	0.512522
Sep 25, 2013	Oct 24, 2013	0.512063
Oct 25, 2013	Nov 22, 2013	0.511803
Nov 25, 2013	Dec 24, 2013	0.511362
Dec 26, 2013	Jan 24, 2014	0.511025
Jan 27, 2014	Feb 24, 2014	0.509304
Feb 25, 2014	Mar 24, 2014	0.502577
Mar 25, 2014	Apr 24, 2014	0.500087
Apr 25, 2014	May 23, 2014	0.491971
May 27, 2014	Jun 24, 2014	0.475642
Jun 25, 2014	Jul 24, 2014	0.470909
Jul 25, 2014	Aug 22, 2014	0.468887
Aug 25, 2014	Sep 24, 2014	0.468618
Sep 25, 2014	Oct 24, 2014	0.465142
Oct 27, 2014	Nov 24, 2014	0.460009
Nov 25, 2014	Dec 24, 2014	0.455472
Dec 26, 2014	Jan 23, 2015	0.444877
Jan 26, 2015	Feb 24, 2015	0.444683
Feb 25, 2015	Mar 24, 2015	0.444158
Mar 25, 2015	Apr 24, 2015	0.420290
Apr 27, 2015	May 22, 2015	0.413754
May 26, 2015	Jun 24, 2015	0.410612
Jun 25, 2015		0.409102

3A1F Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.990629
Jul 25, 2007	Aug 24, 2007	0.990383
Aug 27, 2007	Sep 24, 2007	0.961687
Sep 25, 2007	Oct 24, 2007	0.950037
Oct 25, 2007	Nov 23, 2007	0.949938
Nov 26, 2007	Dec 24, 2007	0.932301
Dec 26, 2007	Jan 24, 2008	0.914747
Jan 25, 2008	Feb 22, 2008	0.914691
Feb 25, 2008	Mar 24, 2008	0.887341
Mar 25, 2008	Apr 24, 2008	0.866149
Apr 25, 2008	May 23, 2008	0.866045
May 27, 2008	Jun 24, 2008	0.855065
Jun 25, 2008	Jul 24, 2008	0.843777
Jul 25, 2008	Aug 22, 2008	0.843677
Aug 25, 2008	Sep 24, 2008	0.833425
Sep 25, 2008	Oct 24, 2008	0.816316
Oct 27, 2008	Nov 24, 2008	0.816221
Nov 25, 2008	Dec 24, 2008	0.804485
Dec 26, 2008	Jan 23, 2009	0.804177
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	0.804073 0.795055
Mar 25, 2009	Apr 24, 2009	_
Apr 27, 2009	May 22, 2009	0.794293
May 26, 2009	Jun 24, 2009	0.785536
Jun 25, 2009	Jul 24, 2009	0.774924
Jul 27, 2009	Aug 24, 2009	0.774847
Aug 25, 2009	Sep 24, 2009	0.774759 0.774529
Sep 25, 2009	Oct 23, 2009	0.766798
Oct 26, 2009	Nov 24, 2009	0.762066
Nov 25, 2009	Dec 24, 2009	0.754900
Dec 28, 2009	Jan 22, 2010	0.753924
Jan 25, 2010	Feb 24, 2010	0.748811
Feb 25, 2010	Mar 24, 2010	0.738227
Mar 25, 2010	Apr 23, 2010	0.725310
Apr 26, 2010	May 24, 2010	0.724883
May 25, 2010	Jun 24, 2010	0.724535
Jun 25, 2010	Jul 23, 2010	0.721064
Jul 26, 2010	Aug 24, 2010	0.711930
Aug 25, 2010	Sep 24, 2010	0.711930
Sep 27, 2010	Oct 22, 2010	0.707438
Oct 25, 2010	Nov 24, 2010	0.700274
Nov 26, 2010	Dec 23, 2010	0.699925
Dec 27, 2010	Jan 24, 2011	0.682918
Jan 25, 2011	Feb 24, 2011	0.682918
Feb 25, 2011	Mar 24, 2011	0.672914
Mar 25, 2011	Apr 22, 2011	0.670572
Apr 25, 2011	May 24, 2011	0.670376
May 25, 2011	Jun 24, 2011	0.661630
Jun 27, 2011	Jul 22, 2011	0.638509
Jul 25, 2011	Aug 24, 2011	0.631955

3A1F Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.616786
Sep 26, 2011	Oct 24, 2011	0.608709
Oct 25, 2011	Nov 23, 2011	0.608709
Nov 25, 2011	Dec 23, 2011	0.608709
Dec 27, 2011	Jan 24, 2012	0.596349
Jan 25, 2012	Feb 24, 2012	0.594096
Feb 27, 2012	Mar 23, 2012	0.589436
Mar 26, 2012	Apr 24, 2012	0.585965
Apr 25, 2012	May 24, 2012	0.584093
May 25, 2012	Jun 22, 2012	0.579613
Jun 25, 2012	Jul 24, 2012	0.575096
Jul 25, 2012	Aug 24, 2012	0.572516
Aug 27, 2012	Sep 24, 2012	0.563949
Sep 25, 2012	Oct 24, 2012	0.563548
Oct 25, 2012	Nov 23, 2012	0.556301
Nov 26, 2012	Dec 24, 2012	0.548417
Dec 26, 2012	Jan 24, 2013	0.542975
Jan 25, 2013	Feb 22, 2013	0.537597
Feb 25, 2013	Mar 22, 2013	0.537135
Mar 25, 2013	Apr 24, 2013	0.534033
Apr 25, 2013	May 24, 2013	0.530828
May 28, 2013	Jun 24, 2013	0.530211
Jun 25, 2013	Jul 24, 2013	0.529575
Jul 25, 2013	Aug 23, 2013	0.517349
Aug 26, 2013	Sep 24, 2013	0.512522
Sep 25, 2013	Oct 24, 2013	0.512063
Oct 25, 2013	Nov 22, 2013	0.511803
Nov 25, 2013	Dec 24, 2013	0.511362
Dec 26, 2013	Jan 24, 2014	0.511025
Jan 27, 2014	Feb 24, 2014	0.509304
Feb 25, 2014	Mar 24, 2014	0.502577
Mar 25, 2014	Apr 24, 2014	0.500087
Apr 25, 2014	May 23, 2014	0.491971
May 27, 2014	Jun 24, 2014	0.475642
Jun 25, 2014	Jul 24, 2014	0.470909
Jul 25, 2014	Aug 22, 2014	0.468887
Aug 25, 2014	Sep 24, 2014	0.468618
Sep 25, 2014	Oct 24, 2014	0.465142
Oct 27, 2014	Nov 24, 2014	0.460009
Nov 25, 2014	Dec 24, 2014	0.455472
Dec 26, 2014	Jan 23, 2015	0.444877
Jan 26, 2015	Feb 24, 2015	0.444683
Feb 25, 2015	Mar 24, 2015	0.444158
Mar 25, 2015	Apr 24, 2015	0.420290
Apr 27, 2015	May 22, 2015	0.413754
May 26, 2015	Jun 24, 2015	0.410612
Jun 25, 2015		0.409102

3A1G Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.990629
Jul 25, 2007	Aug 24, 2007	0.990383
Aug 27, 2007	Sep 24, 2007	0.961687
Sep 25, 2007	Oct 24, 2007	0.950037
Oct 25, 2007	Nov 23, 2007	0.949938
Nov 26, 2007	Dec 24, 2007	0.932301
Dec 26, 2007	Jan 24, 2008	0.914747
Jan 25, 2008	Feb 22, 2008	0.914691
Feb 25, 2008	Mar 24, 2008	0.887341
Mar 25, 2008	Apr 24, 2008	0.866149
Apr 25, 2008	May 23, 2008	0.866045
May 27, 2008	Jun 24, 2008	0.855065
Jun 25, 2008	Jul 24, 2008	0.843777
Jul 25, 2008	Aug 22, 2008	0.843677
Aug 25, 2008	Sep 24, 2008	0.833425
Sep 25, 2008	Oct 24, 2008	0.816316
Oct 27, 2008	Nov 24, 2008	0.816221
Nov 25, 2008	Dec 24, 2008	0.804485
Dec 26, 2008	Jan 23, 2009	0.804177
Jan 26, 2009	Feb 24, 2009	0.804073
Feb 25, 2009	Mar 24, 2009	0.795055
Mar 25, 2009	Apr 24, 2009	0.794293
Apr 27, 2009	May 22, 2009	0.785536
May 26, 2009	Jun 24, 2009	0.774924
Jun 25, 2009	Jul 24, 2009	0.774847
Jul 27, 2009	Aug 24, 2009	0.774759
Aug 25, 2009	Sep 24, 2009	0.774529
Sep 25, 2009	Oct 23, 2009	0.766798
Oct 26, 2009	Nov 24, 2009	0.762066
Nov 25, 2009	Dec 24, 2009	0.754900
Dec 28, 2009	Jan 22, 2010	0.753924
Jan 25, 2010	Feb 24, 2010	0.748811
Feb 25, 2010	Mar 24, 2010	0.738227
Mar 25, 2010	Apr 23, 2010	0.725310
Apr 26, 2010	May 24, 2010	0.724883
May 25, 2010	Jun 24, 2010	0.724535
Jun 25, 2010	Jul 23, 2010	0.721064
Jul 26, 2010	Aug 24, 2010	0.711930
Aug 25, 2010	Sep 24, 2010	0.711930
Sep 27, 2010	Oct 22, 2010	0.707438
Oct 25, 2010	Nov 24, 2010	0.700274
Nov 26, 2010	Dec 23, 2010	0.699925
Dec 27, 2010	Jan 24, 2011	0.682918
Jan 25, 2011	Feb 24, 2011	0.682918
Feb 25, 2011	Mar 24, 2011	0.672914
Mar 25, 2011	Apr 22, 2011	0.670572
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.670376
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.661630
Jul 25, 2011	Aug 24, 2011	0.638509
Jui 23, 2011	Aug 24, 2011	0.631955

3A1G Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.616786
Sep 26, 2011	Oct 24, 2011	0.608709
Oct 25, 2011	Nov 23, 2011	0.608709
Nov 25, 2011	Dec 23, 2011	0.608709
Dec 27, 2011	Jan 24, 2012	0.596349
Jan 25, 2012	Feb 24, 2012	0.594096
Feb 27, 2012	Mar 23, 2012	0.589436
Mar 26, 2012	Apr 24, 2012	0.585965
Apr 25, 2012	May 24, 2012	0.584093
May 25, 2012	Jun 22, 2012	0.579613
Jun 25, 2012	Jul 24, 2012	0.575096
Jul 25, 2012	Aug 24, 2012	0.572516
Aug 27, 2012	Sep 24, 2012	0.563949
Sep 25, 2012	Oct 24, 2012	0.563548
Oct 25, 2012	Nov 23, 2012	0.556301
Nov 26, 2012	Dec 24, 2012	0.548417
Dec 26, 2012	Jan 24, 2013	0.542975
Jan 25, 2013	Feb 22, 2013	0.537597
Feb 25, 2013	Mar 22, 2013	0.537135
Mar 25, 2013	Apr 24, 2013	0.534033
Apr 25, 2013	May 24, 2013	0.530828
May 28, 2013	Jun 24, 2013	0.530211
Jun 25, 2013	Jul 24, 2013	0.529575
Jul 25, 2013	Aug 23, 2013	0.517349
Aug 26, 2013	Sep 24, 2013	0.512522
Sep 25, 2013	Oct 24, 2013	0.512063
Oct 25, 2013	Nov 22, 2013	0.511803
Nov 25, 2013	Dec 24, 2013	0.511362
Dec 26, 2013	Jan 24, 2014	0.511025
Jan 27, 2014	Feb 24, 2014	0.509304
Feb 25, 2014	Mar 24, 2014	0.502577
Mar 25, 2014	Apr 24, 2014	0.500087
Apr 25, 2014	May 23, 2014	0.491971
May 27, 2014	Jun 24, 2014	0.475642
Jun 25, 2014	Jul 24, 2014	0.470909
Jul 25, 2014	Aug 22, 2014	0.468887
Aug 25, 2014	Sep 24, 2014	0.468618
Sep 25, 2014	Oct 24, 2014	0.465142
Oct 27, 2014	Nov 24, 2014	0.460009
Nov 25, 2014	Dec 24, 2014	0.455472
Dec 26, 2014	Jan 23, 2015	0.444877
Jan 26, 2015	Feb 24, 2015	0.444683
Feb 25, 2015	Mar 24, 2015	0.444158
Mar 25, 2015	Apr 24, 2015	0.420290
Apr 27, 2015	May 22, 2015	0.413754
May 26, 2015	Jun 24, 2015	0.410612
Jun 25, 2015		0.409102

3A1H Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.990629
Jul 25, 2007	Aug 24, 2007	0.990383
Aug 27, 2007	Sep 24, 2007	0.961687
Sep 25, 2007	Oct 24, 2007	0.950037
Oct 25, 2007	Nov 23, 2007	0.949938
Nov 26, 2007	Dec 24, 2007	0.932301
Dec 26, 2007	Jan 24, 2008	0.914747
Jan 25, 2008	Feb 22, 2008	0.914691
Feb 25, 2008	Mar 24, 2008	0.887341
Mar 25, 2008	Apr 24, 2008	0.866149
Apr 25, 2008	May 23, 2008	0.866045
May 27, 2008	Jun 24, 2008	0.855065
Jun 25, 2008	Jul 24, 2008	0.843777
Jul 25, 2008	Aug 22, 2008	0.843677
Aug 25, 2008	Sep 24, 2008	0.833425
Sep 25, 2008	Oct 24, 2008	0.816316
Oct 27, 2008	Nov 24, 2008	0.816221
Nov 25, 2008	Dec 24, 2008	0.804485
Dec 26, 2008	Jan 23, 2009	0.804177
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	0.804073 0.795055
Mar 25, 2009	Apr 24, 2009	_
Apr 27, 2009	May 22, 2009	0.794293
May 26, 2009	Jun 24, 2009	0.785536
Jun 25, 2009	Jul 24, 2009	0.774924
Jul 27, 2009	Aug 24, 2009	0.774847
Aug 25, 2009	Sep 24, 2009	0.774759 0.774529
Sep 25, 2009	Oct 23, 2009	0.766798
Oct 26, 2009	Nov 24, 2009	0.762066
Nov 25, 2009	Dec 24, 2009	0.754900
Dec 28, 2009	Jan 22, 2010	0.753924
Jan 25, 2010	Feb 24, 2010	0.748811
Feb 25, 2010	Mar 24, 2010	0.738227
Mar 25, 2010	Apr 23, 2010	0.725310
Apr 26, 2010	May 24, 2010	0.724883
May 25, 2010	Jun 24, 2010	0.724535
Jun 25, 2010	Jul 23, 2010	0.721064
Jul 26, 2010	Aug 24, 2010	0.711930
Aug 25, 2010	Sep 24, 2010	0.711930
Sep 27, 2010	Oct 22, 2010	0.707438
Oct 25, 2010	Nov 24, 2010	0.700274
Nov 26, 2010	Dec 23, 2010	0.699925
Dec 27, 2010	Jan 24, 2011	0.682918
Jan 25, 2011	Feb 24, 2011	0.682918
Feb 25, 2011	Mar 24, 2011	0.672914
Mar 25, 2011	Apr 22, 2011	0.670572
Apr 25, 2011	May 24, 2011	0.670376
May 25, 2011	Jun 24, 2011	0.661630
Jun 27, 2011	Jul 22, 2011	0.638509
Jul 25, 2011	Aug 24, 2011	0.631955

3A1H Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.616786
Sep 26, 2011	Oct 24, 2011	0.608709
Oct 25, 2011	Nov 23, 2011	0.608709
Nov 25, 2011	Dec 23, 2011	0.608709
Dec 27, 2011	Jan 24, 2012	0.596349
Jan 25, 2012	Feb 24, 2012	0.594096
Feb 27, 2012	Mar 23, 2012	0.589436
Mar 26, 2012	Apr 24, 2012	0.585965
Apr 25, 2012	May 24, 2012	0.584093
May 25, 2012	Jun 22, 2012	0.579613
Jun 25, 2012	Jul 24, 2012	0.575096
Jul 25, 2012	Aug 24, 2012	0.572516
Aug 27, 2012	Sep 24, 2012	0.563949
Sep 25, 2012	Oct 24, 2012	0.563548
Oct 25, 2012	Nov 23, 2012	0.556301
Nov 26, 2012	Dec 24, 2012	0.548417
Dec 26, 2012	Jan 24, 2013	0.542975
Jan 25, 2013	Feb 22, 2013	0.537597
Feb 25, 2013	Mar 22, 2013	0.537135
Mar 25, 2013	Apr 24, 2013	0.534033
Apr 25, 2013	May 24, 2013	0.530828
May 28, 2013	Jun 24, 2013	0.530211
Jun 25, 2013	Jul 24, 2013	0.529575
Jul 25, 2013	Aug 23, 2013	0.517349
Aug 26, 2013	Sep 24, 2013	0.512522
Sep 25, 2013	Oct 24, 2013	0.512063
Oct 25, 2013	Nov 22, 2013	0.511803
Nov 25, 2013	Dec 24, 2013	0.511362
Dec 26, 2013	Jan 24, 2014	0.511025
Jan 27, 2014	Feb 24, 2014	0.509304
Feb 25, 2014	Mar 24, 2014	0.502577
Mar 25, 2014	Apr 24, 2014	0.500087
Apr 25, 2014	May 23, 2014	0.491971
May 27, 2014	Jun 24, 2014	0.475642
Jun 25, 2014	Jul 24, 2014	0.470909
Jul 25, 2014	Aug 22, 2014	0.468887
Aug 25, 2014	Sep 24, 2014	0.468618
Sep 25, 2014	Oct 24, 2014	0.465142
Oct 27, 2014	Nov 24, 2014	0.460009
Nov 25, 2014	Dec 24, 2014	0.455472
Dec 26, 2014	Jan 23, 2015	0.444877
Jan 26, 2015	Feb 24, 2015	0.444683
Feb 25, 2015	Mar 24, 2015	0.444158
Mar 25, 2015	Apr 24, 2015	0.420290
Apr 27, 2015	May 22, 2015	0.413754
May 26, 2015	Jun 24, 2015	0.410612
Jun 25, 2015		0.409102
	_	_

3A1I Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.990629
Jul 25, 2007	Aug 24, 2007	0.990383
Aug 27, 2007	Sep 24, 2007	0.961687
Sep 25, 2007	Oct 24, 2007	0.950037
Oct 25, 2007	Nov 23, 2007	0.949938
Nov 26, 2007	Dec 24, 2007	0.932301
Dec 26, 2007	Jan 24, 2008	0.914747
Jan 25, 2008	Feb 22, 2008	0.914691
Feb 25, 2008	Mar 24, 2008	0.887341
Mar 25, 2008	Apr 24, 2008	0.866149
Apr 25, 2008	May 23, 2008	0.866045
May 27, 2008	Jun 24, 2008	0.855065
Jun 25, 2008	Jul 24, 2008	0.843777
Jul 25, 2008	Aug 22, 2008	0.843677
Aug 25, 2008	Sep 24, 2008	0.833425
Sep 25, 2008	Oct 24, 2008	0.816316
Oct 27, 2008	Nov 24, 2008	0.816221
Nov 25, 2008	Dec 24, 2008	0.804485
Dec 26, 2008	Jan 23, 2009	0.804177
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	0.804073 0.795055
Mar 25, 2009	Apr 24, 2009	
Apr 27, 2009	May 22, 2009	0.794293
May 26, 2009	Jun 24, 2009	0.785536
Jun 25, 2009	Jul 24, 2009	0.774924
Jul 27, 2009	Aug 24, 2009	0.774847
Aug 25, 2009	Sep 24, 2009	0.774759 0.774529
Sep 25, 2009	Oct 23, 2009	0.774323
Oct 26, 2009	Nov 24, 2009	0.762066
Nov 25, 2009	Dec 24, 2009	0.754900
Dec 28, 2009	Jan 22, 2010	0.753924
Jan 25, 2010	Feb 24, 2010	0.748811
Feb 25, 2010	Mar 24, 2010	0.738227
Mar 25, 2010	Apr 23, 2010	0.725310
Apr 26, 2010	May 24, 2010	0.724883
May 25, 2010	Jun 24, 2010	0.724535
Jun 25, 2010	Jul 23, 2010	0.721064
Jul 26, 2010	Aug 24, 2010	0.711930
Aug 25, 2010	Sep 24, 2010	0.711930
Sep 27, 2010	Oct 22, 2010	0.707438
Oct 25, 2010	Nov 24, 2010	0.700274
Nov 26, 2010	Dec 23, 2010	0.699925
Dec 27, 2010	Jan 24, 2011	0.682918
Jan 25, 2011	Feb 24, 2011	0.682918
Feb 25, 2011	Mar 24, 2011	0.672914
Mar 25, 2011	Apr 22, 2011	0.670572
Apr 25, 2011	May 24, 2011	0.670376
May 25, 2011	Jun 24, 2011	0.661630
Jun 27, 2011	Jul 22, 2011	0.638509
Jul 25, 2011	Aug 24, 2011	0.631955

3A1I Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.616786
Sep 26, 2011	Oct 24, 2011	0.608709
Oct 25, 2011	Nov 23, 2011	0.608709
Nov 25, 2011	Dec 23, 2011	0.608709
Dec 27, 2011	Jan 24, 2012	0.596349
Jan 25, 2012	Feb 24, 2012	0.594096
Feb 27, 2012	Mar 23, 2012	0.589436
Mar 26, 2012	Apr 24, 2012	0.585965
Apr 25, 2012	May 24, 2012	0.584093
May 25, 2012	Jun 22, 2012	0.579613
Jun 25, 2012	Jul 24, 2012	0.575096
Jul 25, 2012	Aug 24, 2012	0.572516
Aug 27, 2012	Sep 24, 2012	0.563949
Sep 25, 2012	Oct 24, 2012	0.563548
Oct 25, 2012	Nov 23, 2012	0.556301
Nov 26, 2012	Dec 24, 2012	0.548417
Dec 26, 2012	Jan 24, 2013	0.542975
Jan 25, 2013	Feb 22, 2013	0.537597
Feb 25, 2013	Mar 22, 2013	0.537135
Mar 25, 2013	Apr 24, 2013	0.534033
Apr 25, 2013	May 24, 2013	0.530828
May 28, 2013	Jun 24, 2013	0.530211
Jun 25, 2013	Jul 24, 2013	0.529575
Jul 25, 2013	Aug 23, 2013	0.517349
Aug 26, 2013	Sep 24, 2013	0.512522
Sep 25, 2013	Oct 24, 2013	0.512063
Oct 25, 2013	Nov 22, 2013	0.511803
Nov 25, 2013	Dec 24, 2013	0.511362
Dec 26, 2013	Jan 24, 2014	0.511025
Jan 27, 2014	Feb 24, 2014	0.509304
Feb 25, 2014	Mar 24, 2014	0.502577
Mar 25, 2014	Apr 24, 2014	0.500087
Apr 25, 2014	May 23, 2014	0.491971
May 27, 2014	Jun 24, 2014	0.475642
Jun 25, 2014	Jul 24, 2014	0.470909
Jul 25, 2014	Aug 22, 2014	0.468887
Aug 25, 2014	Sep 24, 2014	0.468618
Sep 25, 2014	Oct 24, 2014	0.465142
Oct 27, 2014	Nov 24, 2014	0.460009
Nov 25, 2014	Dec 24, 2014	0.455472
Dec 26, 2014	Jan 23, 2015	0.444877
Jan 26, 2015	Feb 24, 2015	0.444683
Feb 25, 2015	Mar 24, 2015	0.444158
Mar 25, 2015	Apr 24, 2015	0.420290
Apr 27, 2015	May 22, 2015	0.413754
May 26, 2015	Jun 24, 2015	0.410612
Jun 25, 2015		0.409102

3A1J Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.990629
Jul 25, 2007	Aug 24, 2007	0.990383
Aug 27, 2007	Sep 24, 2007	0.961687
Sep 25, 2007	Oct 24, 2007	0.950037
Oct 25, 2007	Nov 23, 2007	0.949938
Nov 26, 2007	Dec 24, 2007	0.932301
Dec 26, 2007	Jan 24, 2008	0.914747
Jan 25, 2008	Feb 22, 2008	0.914691
Feb 25, 2008	Mar 24, 2008	0.887341
Mar 25, 2008	Apr 24, 2008	0.866149
Apr 25, 2008	May 23, 2008	0.866045
May 27, 2008	Jun 24, 2008	0.855065
Jun 25, 2008	Jul 24, 2008	0.843777
Jul 25, 2008	Aug 22, 2008	0.843677
Aug 25, 2008	Sep 24, 2008	0.833425
Sep 25, 2008	Oct 24, 2008	0.816316
Oct 27, 2008	Nov 24, 2008	0.816221
Nov 25, 2008	Dec 24, 2008	0.804485
Dec 26, 2008	Jan 23, 2009	0.804177
Jan 26, 2009	Feb 24, 2009	0.804073
Feb 25, 2009	Mar 24, 2009	0.795055
Mar 25, 2009	Apr 24, 2009	0.794293
Apr 27, 2009	May 22, 2009	0.785536
May 26, 2009	Jun 24, 2009	0.774924
Jun 25, 2009	Jul 24, 2009	0.774847
Jul 27, 2009	Aug 24, 2009	0.774759
Aug 25, 2009	Sep 24, 2009	0.774529
Sep 25, 2009	Oct 23, 2009	0.766798
Oct 26, 2009	Nov 24, 2009	0.762066
Nov 25, 2009	Dec 24, 2009	0.754900
Dec 28, 2009	Jan 22, 2010	0.753924
Jan 25, 2010	Feb 24, 2010	0.748811
Feb 25, 2010	Mar 24, 2010	0.738227
Mar 25, 2010	Apr 23, 2010	0.725310
Apr 26, 2010	May 24, 2010	0.724883
May 25, 2010	Jun 24, 2010	0.724535
Jun 25, 2010	Jul 23, 2010	0.721064
Jul 26, 2010	Aug 24, 2010	0.711930
Aug 25, 2010	Sep 24, 2010	0.711930
Sep 27, 2010	Oct 22, 2010	0.707438
Oct 25, 2010	Nov 24, 2010	0.700274
Nov 26, 2010	Dec 23, 2010	0.699925
Dec 27, 2010	Jan 24, 2011	0.682918
Jan 25, 2011	Feb 24, 2011	0.682918
Feb 25, 2011	Mar 24, 2011	0.672914
Mar 25, 2011	Apr 22, 2011	0.670572
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.670376
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.661630
Jul 25, 2011	Aug 24, 2011	0.638509
Jui 23, 2011	Aug 24, 2011	0.631955

3A1J Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.616786
Sep 26, 2011	Oct 24, 2011	0.608709
Oct 25, 2011	Nov 23, 2011	0.608709
Nov 25, 2011	Dec 23, 2011	0.608709
Dec 27, 2011	Jan 24, 2012	0.596349
Jan 25, 2012	Feb 24, 2012	0.594096
Feb 27, 2012	Mar 23, 2012	0.589436
Mar 26, 2012	Apr 24, 2012	0.585965
Apr 25, 2012	May 24, 2012	0.584093
May 25, 2012	Jun 22, 2012	0.579613
Jun 25, 2012	Jul 24, 2012	0.575096
Jul 25, 2012	Aug 24, 2012	0.572516
Aug 27, 2012	Sep 24, 2012	0.563949
Sep 25, 2012	Oct 24, 2012	0.563548
Oct 25, 2012	Nov 23, 2012	0.556301
Nov 26, 2012	Dec 24, 2012	0.548417
Dec 26, 2012	Jan 24, 2013	0.542975
Jan 25, 2013	Feb 22, 2013	0.537597
Feb 25, 2013	Mar 22, 2013	0.537135
Mar 25, 2013	Apr 24, 2013	0.534033
Apr 25, 2013	May 24, 2013	0.530828
May 28, 2013	Jun 24, 2013	0.530211
Jun 25, 2013	Jul 24, 2013	0.529575
Jul 25, 2013	Aug 23, 2013	0.517349
Aug 26, 2013	Sep 24, 2013	0.512522
Sep 25, 2013	Oct 24, 2013	0.512063
Oct 25, 2013	Nov 22, 2013	0.511803
Nov 25, 2013	Dec 24, 2013	0.511362
Dec 26, 2013	Jan 24, 2014	0.511025
Jan 27, 2014	Feb 24, 2014	0.509304
Feb 25, 2014	Mar 24, 2014	0.502577
Mar 25, 2014	Apr 24, 2014	0.500087
Apr 25, 2014	May 23, 2014	0.491971
May 27, 2014	Jun 24, 2014	0.475642
Jun 25, 2014	Jul 24, 2014	0.470909
Jul 25, 2014	Aug 22, 2014	0.468887
Aug 25, 2014	Sep 24, 2014	0.468618
Sep 25, 2014	Oct 24, 2014	0.465142
Oct 27, 2014	Nov 24, 2014	0.460009
Nov 25, 2014	Dec 24, 2014	0.455472
Dec 26, 2014	Jan 23, 2015	0.444877
Jan 26, 2015	Feb 24, 2015	0.444683
Feb 25, 2015	Mar 24, 2015	0.444158
Mar 25, 2015	Apr 24, 2015	0.420290
Apr 27, 2015	May 22, 2015	0.413754
May 26, 2015	Jun 24, 2015	0.410612
Jun 25, 2015		0.409102

3A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.990629
Jul 25, 2007	Aug 24, 2007	0.990383
Aug 27, 2007	Sep 24, 2007	0.961687
Sep 25, 2007	Oct 24, 2007	0.950037
Oct 25, 2007	Nov 23, 2007	0.949938
Nov 26, 2007	Dec 24, 2007	0.932301
Dec 26, 2007	Jan 24, 2008	0.914747
Jan 25, 2008	Feb 22, 2008	0.914691
Feb 25, 2008	Mar 24, 2008	0.887341
Mar 25, 2008	Apr 24, 2008	0.866149
Apr 25, 2008	May 23, 2008	0.866045
May 27, 2008	Jun 24, 2008	0.855065
Jun 25, 2008	Jul 24, 2008	0.843777
Jul 25, 2008	Aug 22, 2008	0.843677
Aug 25, 2008	Sep 24, 2008	0.833425
Sep 25, 2008	Oct 24, 2008	0.816316
Oct 27, 2008	Nov 24, 2008	0.816221
Nov 25, 2008	Dec 24, 2008	0.804485
Dec 26, 2008	Jan 23, 2009	0.804177
Jan 26, 2009	Feb 24, 2009	0.804073
Feb 25, 2009	Mar 24, 2009	0.795055
Mar 25, 2009	Apr 24, 2009	0.794293
Apr 27, 2009	May 22, 2009	0.785536
May 26, 2009	Jun 24, 2009	0.774924
Jun 25, 2009	Jul 24, 2009	0.774847
Jul 27, 2009	Aug 24, 2009	0.774759
Aug 25, 2009	Sep 24, 2009	0.774529
Sep 25, 2009	Oct 23, 2009	0.766798
Oct 26, 2009	Nov 24, 2009	0.762066
Nov 25, 2009	Dec 24, 2009	0.754900
Dec 28, 2009	Jan 22, 2010	0.753924
Jan 25, 2010	Feb 24, 2010	0.748811
Feb 25, 2010	Mar 24, 2010	0.738227
Mar 25, 2010	Apr 23, 2010	0.725310
Apr 26, 2010	May 24, 2010	0.724883
May 25, 2010	Jun 24, 2010	0.724535
Jun 25, 2010	Jul 23, 2010	0.721064
Jul 26, 2010	Aug 24, 2010	0.711930
Aug 25, 2010	Sep 24, 2010	0.711905
Sep 27, 2010	Oct 22, 2010	0.707413
Oct 25, 2010	Nov 24, 2010	0.700250
Nov 26, 2010	Dec 23, 2010	0.699901
Dec 27, 2010	Jan 24, 2011	0.492510
Jan 25, 2011	Feb 24, 2011	0.490813
Feb 25, 2011	Mar 24, 2011	0.482291
Mar 25, 2011	Apr 22, 2011	0.394227
Apr 25, 2011	May 24, 2011	0.393702
May 25, 2011	Jun 24, 2011	0.255196
Jun 27, 2011	Jul 22, 2011	0.246266
Jul 25, 2011	Aug 24, 2011	0.029552

3A2 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.00000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

4A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997818
Jul 25, 2007	Aug 24, 2007	0.997543
Aug 27, 2007	Sep 24, 2007	0.989916
Sep 25, 2007	Oct 24, 2007	0.989766
Oct 25, 2007	Nov 23, 2007	0.984074
Nov 26, 2007	Dec 24, 2007	0.983922
Dec 26, 2007	Jan 24, 2008	0.981626
Jan 25, 2008	Feb 22, 2008	0.963078
Feb 25, 2008	Mar 24, 2008	0.956724
Mar 25, 2008	Apr 24, 2008	0.947740
Apr 25, 2008	May 23, 2008	0.930474
May 27, 2008	Jun 24, 2008	0.921653
Jun 25, 2008	Jul 24, 2008	0.921482
Jul 25, 2008	Aug 22, 2008	0.918862
Aug 25, 2008	Sep 24, 2008	0.918738
Sep 25, 2008	Oct 24, 2008	0.917093
Oct 27, 2008	Nov 24, 2008	0.905523
Nov 25, 2008	Dec 24, 2008	0.905366
Dec 26, 2008	Jan 23, 2009	0.905366
Jan 26, 2009	Feb 24, 2009	0.901312
Feb 25, 2009	Mar 24, 2009	0.901160
Mar 25, 2009	Apr 24, 2009	0.893904
Apr 27, 2009	May 22, 2009	0.883807
May 26, 2009	Jun 24, 2009	0.881661
Jun 25, 2009	Jul 24, 2009	0.871363
Jul 27, 2009	Aug 24, 2009	0.861685
Aug 25, 2009	Sep 24, 2009	0.835506
Sep 25, 2009	Oct 23, 2009	0.835414
Oct 26, 2009	Nov 24, 2009	0.834718
Nov 25, 2009	Dec 24, 2009	0.828736
Dec 28, 2009	Jan 22, 2010	0.817567
Jan 25, 2010	Feb 24, 2010	0.801541
Feb 25, 2010	Mar 24, 2010	0.797503
Mar 25, 2010	Apr 23, 2010	0.797503
Apr 26, 2010	May 24, 2010	0.793556
May 25, 2010	Jun 24, 2010	0.788653
Jun 25, 2010	Jul 23, 2010	0.788265
Jul 26, 2010	Aug 24, 2010	0.749698
Aug 25, 2010	Sep 24, 2010	0.737818
Sep 27, 2010	Oct 22, 2010	0.733163
Oct 25, 2010	Nov 24, 2010	0.725739
Nov 26, 2010	Dec 23, 2010	0.715040
Dec 27, 2010	Jan 24, 2011	0.714938
Jan 25, 2011	Feb 24, 2011	0.707965
Feb 25, 2011	Mar 24, 2011	0.693960
Mar 25, 2011	Apr 22, 2011	0.693822
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.693701
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.693592
Jul 25, 2011	Aug 24, 2011	0.691842
Jui 23, 2011	7ug 27, 2011	0.688618

4A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.688618
Sep 26, 2011	Oct 24, 2011	0.688618
Oct 25, 2011	Nov 23, 2011	0.688618
Nov 25, 2011	Dec 23, 2011	0.688618
Dec 27, 2011	Jan 24, 2012	0.675929
Jan 25, 2012	Feb 24, 2012	0.673375
Feb 27, 2012	Mar 23, 2012	0.672838
Mar 26, 2012	Apr 24, 2012	0.668876
Apr 25, 2012	May 24, 2012	0.666692
May 25, 2012	Jun 22, 2012	0.661576
Jun 25, 2012	Jul 24, 2012	0.656421
Jul 25, 2012	Aug 24, 2012	0.653477
Aug 27, 2012	Sep 24, 2012	0.639025
Sep 25, 2012	Oct 24, 2012	0.638798
Oct 25, 2012	Nov 23, 2012	0.621271
Nov 26, 2012	Dec 24, 2012	0.600081
Dec 26, 2012	Jan 24, 2013	0.594458
Jan 25, 2013	Feb 22, 2013	0.590518
Feb 25, 2013	Mar 22, 2013	0.590299
Mar 25, 2013	Apr 24, 2013	0.583963
Apr 25, 2013	May 24, 2013	0.573358
May 28, 2013	Jun 24, 2013	0.573409
Jun 25, 2013	Jul 24, 2013	0.551954
Jul 25, 2013	Aug 23, 2013	0.527769
Aug 26, 2013	Sep 24, 2013	0.522846
Sep 25, 2013	Oct 24, 2013	0.522714
Oct 25, 2013	Nov 22, 2013	0.519032
Nov 25, 2013	Dec 24, 2013	0.511959
Dec 26, 2013	Jan 24, 2014	0.489025
Jan 27, 2014	Feb 24, 2014	0.480434
Feb 25, 2014	Mar 24, 2014	0.457810
Mar 25, 2014	Apr 24, 2014	0.455503
Apr 25, 2014	May 23, 2014	0.448625
May 27, 2014	Jun 24, 2014	0.433680
Jun 25, 2014	Jul 24, 2014	0.429413
Jul 25, 2014	Aug 22, 2014	0.427539
Aug 25, 2014	Sep 24, 2014	0.426464
Sep 25, 2014	Oct 24, 2014	0.423300
Oct 27, 2014	Nov 24, 2014	0.415698
Nov 25, 2014	Dec 24, 2014	0.408967
Dec 26, 2014	Jan 23, 2015	0.403300
Jan 26, 2015	Feb 24, 2015	0.403117
Feb 25, 2015	Mar 24, 2015	0.402641
Mar 25, 2015	Apr 24, 2015	0.382550
Apr 27, 2015	May 22, 2015	0.376592
May 26, 2015	Jun 24, 2015	0.373888
Jun 25, 2015		0.370909

4A1A Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997818
Jul 25, 2007	Aug 24, 2007	0.997543
Aug 27, 2007	Sep 24, 2007	0.989916
Sep 25, 2007	Oct 24, 2007	0.989766
Oct 25, 2007	Nov 23, 2007	0.984074
Nov 26, 2007	Dec 24, 2007	0.983922
Dec 26, 2007	Jan 24, 2008	0.981626
Jan 25, 2008	Feb 22, 2008	0.963078
Feb 25, 2008	Mar 24, 2008	0.956724
Mar 25, 2008	Apr 24, 2008	0.947740
Apr 25, 2008	May 23, 2008	0.930474
May 27, 2008	Jun 24, 2008	0.921653
Jun 25, 2008	Jul 24, 2008	0.921482
Jul 25, 2008	Aug 22, 2008	0.918862
Aug 25, 2008	Sep 24, 2008	0.918738
Sep 25, 2008	Oct 24, 2008	0.917093
Oct 27, 2008	Nov 24, 2008	0.905523
Nov 25, 2008	Dec 24, 2008	0.905366
Dec 26, 2008	Jan 23, 2009	0.905366
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	0.901312 0.901160
Mar 25, 2009	Apr 24, 2009	
Apr 27, 2009	May 22, 2009	0.893904
May 26, 2009	Jun 24, 2009	0.883807
Jun 25, 2009	Jul 24, 2009	0.881661
Jul 27, 2009	Aug 24, 2009	0.871363
Aug 25, 2009	Sep 24, 2009	0.861685 0.835506
Sep 25, 2009	Oct 23, 2009	0.835414
Oct 26, 2009	Nov 24, 2009	0.834718
Nov 25, 2009	Dec 24, 2009	0.828736
Dec 28, 2009	Jan 22, 2010	0.817567
Jan 25, 2010	Feb 24, 2010	0.801541
Feb 25, 2010	Mar 24, 2010	0.797503
Mar 25, 2010	Apr 23, 2010	0.797503
Apr 26, 2010	May 24, 2010	0.793556
May 25, 2010	Jun 24, 2010	0.788653
Jun 25, 2010	Jul 23, 2010	0.788265
Jul 26, 2010	Aug 24, 2010	0.749698
Aug 25, 2010	Sep 24, 2010	0.737818
Sep 27, 2010	Oct 22, 2010	0.733163
Oct 25, 2010	Nov 24, 2010	0.725739
Nov 26, 2010	Dec 23, 2010	0.715040
Dec 27, 2010	Jan 24, 2011	0.714938
Jan 25, 2011	Feb 24, 2011	0.707965
Feb 25, 2011	Mar 24, 2011	0.693960
Mar 25, 2011	Apr 22, 2011	0.693822
Apr 25, 2011	May 24, 2011	0.693701
May 25, 2011	Jun 24, 2011	0.693592
Jun 27, 2011	Jul 22, 2011	0.691842
Jul 25, 2011	Aug 24, 2011	0.688618

4A1A Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.688618
Sep 26, 2011	Oct 24, 2011	0.688618
Oct 25, 2011	Nov 23, 2011	0.688618
Nov 25, 2011	Dec 23, 2011	0.688618
Dec 27, 2011	Jan 24, 2012	0.675929
Jan 25, 2012	Feb 24, 2012	0.673375
Feb 27, 2012	Mar 23, 2012	0.672838
Mar 26, 2012	Apr 24, 2012	0.668876
Apr 25, 2012	May 24, 2012	0.666692
May 25, 2012	Jun 22, 2012	0.661576
Jun 25, 2012	Jul 24, 2012	0.656421
Jul 25, 2012	Aug 24, 2012	0.653477
Aug 27, 2012	Sep 24, 2012	0.639025
Sep 25, 2012	Oct 24, 2012	0.638798
Oct 25, 2012	Nov 23, 2012	0.621271
Nov 26, 2012	Dec 24, 2012	0.600081
Dec 26, 2012	Jan 24, 2013	0.594458
Jan 25, 2013	Feb 22, 2013	0.590518
Feb 25, 2013	Mar 22, 2013	0.590299
Mar 25, 2013	Apr 24, 2013	0.583963
Apr 25, 2013	May 24, 2013	0.573358
May 28, 2013	Jun 24, 2013	0.573409
Jun 25, 2013	Jul 24, 2013	0.551954
Jul 25, 2013	Aug 23, 2013	0.527769
Aug 26, 2013	Sep 24, 2013	0.522846
Sep 25, 2013	Oct 24, 2013	0.522714
Oct 25, 2013	Nov 22, 2013	0.519032
Nov 25, 2013	Dec 24, 2013	0.511959
Dec 26, 2013	Jan 24, 2014	0.489025
Jan 27, 2014	Feb 24, 2014	0.480434
Feb 25, 2014	Mar 24, 2014	0.457810
Mar 25, 2014	Apr 24, 2014	0.455503
Apr 25, 2014	May 23, 2014	0.448625
May 27, 2014	Jun 24, 2014	0.433680
Jun 25, 2014	Jul 24, 2014	0.429413
Jul 25, 2014	Aug 22, 2014	0.427539
Aug 25, 2014	Sep 24, 2014	0.426464
Sep 25, 2014	Oct 24, 2014	0.423300
Oct 27, 2014	Nov 24, 2014	0.415698
Nov 25, 2014	Dec 24, 2014	0.408967
Dec 26, 2014	Jan 23, 2015	0.403300
Jan 26, 2015	Feb 24, 2015	0.403117
Feb 25, 2015	Mar 24, 2015	0.402641
Mar 25, 2015	Apr 24, 2015	0.382550
Apr 27, 2015	May 22, 2015	0.376592
May 26, 2015	Jun 24, 2015	0.373888
Jun 25, 2015		0.370909

4A1B Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997818
Jul 25, 2007	Aug 24, 2007	0.997543
Aug 27, 2007	Sep 24, 2007	0.989916
Sep 25, 2007	Oct 24, 2007	0.989766
Oct 25, 2007	Nov 23, 2007	0.984074
Nov 26, 2007	Dec 24, 2007	0.983922
Dec 26, 2007	Jan 24, 2008	0.981626
Jan 25, 2008	Feb 22, 2008	0.963078
Feb 25, 2008	Mar 24, 2008	0.956724
Mar 25, 2008	Apr 24, 2008	0.947740
Apr 25, 2008	May 23, 2008	0.930474
May 27, 2008	Jun 24, 2008	0.921653
Jun 25, 2008	Jul 24, 2008	0.921482
Jul 25, 2008	Aug 22, 2008	0.918862
Aug 25, 2008	Sep 24, 2008	0.918738
Sep 25, 2008	Oct 24, 2008	0.917093
Oct 27, 2008	Nov 24, 2008	0.905523
Nov 25, 2008	Dec 24, 2008	0.905366
Dec 26, 2008	Jan 23, 2009	0.905366
Jan 26, 2009	Feb 24, 2009	0.901312
Feb 25, 2009	Mar 24, 2009	0.901160
Mar 25, 2009	Apr 24, 2009	0.893904
Apr 27, 2009	May 22, 2009	0.883807
May 26, 2009	Jun 24, 2009	0.881661
Jun 25, 2009	Jul 24, 2009	0.871363
Jul 27, 2009	Aug 24, 2009	0.861685
Aug 25, 2009	Sep 24, 2009	0.835506
Sep 25, 2009	Oct 23, 2009	0.835414
Oct 26, 2009	Nov 24, 2009	0.834718
Nov 25, 2009	Dec 24, 2009	0.828736
Dec 28, 2009	Jan 22, 2010	0.817567
Jan 25, 2010	Feb 24, 2010	0.801541
Feb 25, 2010	Mar 24, 2010	0.797503
Mar 25, 2010	Apr 23, 2010	0.797503
Apr 26, 2010	May 24, 2010	0.793556
May 25, 2010	Jun 24, 2010	0.788653
Jun 25, 2010	Jul 23, 2010	0.788265
Jul 26, 2010	Aug 24, 2010	0.749698
Aug 25, 2010	Sep 24, 2010	0.737818
Sep 27, 2010	Oct 22, 2010	0.733163
Oct 25, 2010	Nov 24, 2010	0.725739
Nov 26, 2010	Dec 23, 2010	0.715040
Dec 27, 2010	Jan 24, 2011	0.714938
Jan 25, 2011	Feb 24, 2011	0.707965
Feb 25, 2011	Mar 24, 2011	0.693960
Mar 25, 2011	Apr 22, 2011	0.693822
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.693701
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.693592
Jul 25, 2011	Aug 24, 2011	0.691842
Jui 23, 2011	7ug 27, 2011	0.688618

4A1B Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.688618
Sep 26, 2011	Oct 24, 2011	0.688618
Oct 25, 2011	Nov 23, 2011	0.688618
Nov 25, 2011	Dec 23, 2011	0.688618
Dec 27, 2011	Jan 24, 2012	0.675929
Jan 25, 2012	Feb 24, 2012	0.673375
Feb 27, 2012	Mar 23, 2012	0.672838
Mar 26, 2012	Apr 24, 2012	0.668876
Apr 25, 2012	May 24, 2012	0.666692
May 25, 2012	Jun 22, 2012	0.661576
Jun 25, 2012	Jul 24, 2012	0.656421
Jul 25, 2012	Aug 24, 2012	0.653477
Aug 27, 2012	Sep 24, 2012	0.639025
Sep 25, 2012	Oct 24, 2012	0.638798
Oct 25, 2012	Nov 23, 2012	0.621271
Nov 26, 2012	Dec 24, 2012	0.600081
Dec 26, 2012	Jan 24, 2013	0.594458
Jan 25, 2013	Feb 22, 2013	0.590518
Feb 25, 2013	Mar 22, 2013	0.590299
Mar 25, 2013	Apr 24, 2013	0.583963
Apr 25, 2013	May 24, 2013	0.573358
May 28, 2013	Jun 24, 2013	0.573409
Jun 25, 2013	Jul 24, 2013	0.551954
Jul 25, 2013	Aug 23, 2013	0.527769
Aug 26, 2013	Sep 24, 2013	0.522846
Sep 25, 2013	Oct 24, 2013	0.522714
Oct 25, 2013	Nov 22, 2013	0.519032
Nov 25, 2013	Dec 24, 2013	0.511959
Dec 26, 2013	Jan 24, 2014	0.489025
Jan 27, 2014	Feb 24, 2014	0.480434
Feb 25, 2014	Mar 24, 2014	0.457810
Mar 25, 2014	Apr 24, 2014	0.455503
Apr 25, 2014	May 23, 2014	0.448625
May 27, 2014	Jun 24, 2014	0.433680
Jun 25, 2014	Jul 24, 2014	0.429413
Jul 25, 2014	Aug 22, 2014	0.427539
Aug 25, 2014	Sep 24, 2014	0.426464
Sep 25, 2014	Oct 24, 2014	0.423300
Oct 27, 2014	Nov 24, 2014	0.415698
Nov 25, 2014	Dec 24, 2014	0.408967
Dec 26, 2014	Jan 23, 2015	0.403300
Jan 26, 2015	Feb 24, 2015	0.403117
Feb 25, 2015	Mar 24, 2015	0.402641
Mar 25, 2015	Apr 24, 2015	0.382550
Apr 27, 2015	May 22, 2015	0.376592
May 26, 2015	Jun 24, 2015	0.373888
Jun 25, 2015		0.370909

4A1C Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997818
Jul 25, 2007	Aug 24, 2007	0.997543
Aug 27, 2007	Sep 24, 2007	0.989916
Sep 25, 2007	Oct 24, 2007	0.989766
Oct 25, 2007	Nov 23, 2007	0.984074
Nov 26, 2007	Dec 24, 2007	0.983922
Dec 26, 2007	Jan 24, 2008	0.981626
Jan 25, 2008	Feb 22, 2008	0.963078
Feb 25, 2008	Mar 24, 2008	0.956724
Mar 25, 2008	Apr 24, 2008	0.947740
Apr 25, 2008	May 23, 2008	0.930474
May 27, 2008	Jun 24, 2008	0.921653
Jun 25, 2008	Jul 24, 2008	0.921482
Jul 25, 2008	Aug 22, 2008	0.918862
Aug 25, 2008	Sep 24, 2008	0.918738
Sep 25, 2008	Oct 24, 2008	0.917093
Oct 27, 2008	Nov 24, 2008	0.905523
Nov 25, 2008	Dec 24, 2008	0.905366
Dec 26, 2008	Jan 23, 2009	0.905366
Jan 26, 2009	Feb 24, 2009	0.901312
Feb 25, 2009	Mar 24, 2009	0.901160
Mar 25, 2009	Apr 24, 2009	0.893904
Apr 27, 2009	May 22, 2009	0.883807
May 26, 2009	Jun 24, 2009	0.881661
Jun 25, 2009	Jul 24, 2009	0.871363
Jul 27, 2009	Aug 24, 2009	0.861685
Aug 25, 2009	Sep 24, 2009	0.835506
Sep 25, 2009	Oct 23, 2009	0.835414
Oct 26, 2009	Nov 24, 2009	0.834718
Nov 25, 2009	Dec 24, 2009	0.828736
Dec 28, 2009	Jan 22, 2010	0.817567
Jan 25, 2010	Feb 24, 2010	0.801541
Feb 25, 2010	Mar 24, 2010	0.797503
Mar 25, 2010	Apr 23, 2010	0.797503
Apr 26, 2010	May 24, 2010	0.793556
May 25, 2010	Jun 24, 2010	0.788653
Jun 25, 2010	Jul 23, 2010	0.788265
Jul 26, 2010	Aug 24, 2010	0.749698
Aug 25, 2010	Sep 24, 2010	0.737818
Sep 27, 2010	Oct 22, 2010	0.733163
Oct 25, 2010	Nov 24, 2010	0.725739
Nov 26, 2010	Dec 23, 2010	0.715040
Dec 27, 2010	Jan 24, 2011	0.714938
Jan 25, 2011	Feb 24, 2011	0.707965
Feb 25, 2011	Mar 24, 2011	0.693960
Mar 25, 2011	Apr 22, 2011	0.693822
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.693701
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.693592
Jul 25, 2011	Aug 24, 2011	0.691842
Jui 23, 2011	7ug 27, 2011	0.688618

4A1C Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.688618
Sep 26, 2011	Oct 24, 2011	0.688618
Oct 25, 2011	Nov 23, 2011	0.688618
Nov 25, 2011	Dec 23, 2011	0.688618
Dec 27, 2011	Jan 24, 2012	0.675929
Jan 25, 2012	Feb 24, 2012	0.673375
Feb 27, 2012	Mar 23, 2012	0.672838
Mar 26, 2012	Apr 24, 2012	0.668876
Apr 25, 2012	May 24, 2012	0.666692
May 25, 2012	Jun 22, 2012	0.661576
Jun 25, 2012	Jul 24, 2012	0.656421
Jul 25, 2012	Aug 24, 2012	0.653477
Aug 27, 2012	Sep 24, 2012	0.639025
Sep 25, 2012	Oct 24, 2012	0.638798
Oct 25, 2012	Nov 23, 2012	0.621271
Nov 26, 2012	Dec 24, 2012	0.600081
Dec 26, 2012	Jan 24, 2013	0.594458
Jan 25, 2013	Feb 22, 2013	0.590518
Feb 25, 2013	Mar 22, 2013	0.590299
Mar 25, 2013	Apr 24, 2013	0.583963
Apr 25, 2013	May 24, 2013	0.573358
May 28, 2013	Jun 24, 2013	0.573409
Jun 25, 2013	Jul 24, 2013	0.551954
Jul 25, 2013	Aug 23, 2013	0.527769
Aug 26, 2013	Sep 24, 2013	0.522846
Sep 25, 2013	Oct 24, 2013	0.522714
Oct 25, 2013	Nov 22, 2013	0.519032
Nov 25, 2013	Dec 24, 2013	0.511959
Dec 26, 2013	Jan 24, 2014	0.489025
Jan 27, 2014	Feb 24, 2014	0.480434
Feb 25, 2014	Mar 24, 2014	0.457810
Mar 25, 2014	Apr 24, 2014	0.455503
Apr 25, 2014	May 23, 2014	0.448625
May 27, 2014	Jun 24, 2014	0.433680
Jun 25, 2014	Jul 24, 2014	0.429413
Jul 25, 2014	Aug 22, 2014	0.427539
Aug 25, 2014	Sep 24, 2014	0.426464
Sep 25, 2014	Oct 24, 2014	0.423300
Oct 27, 2014	Nov 24, 2014	0.415698
Nov 25, 2014	Dec 24, 2014	0.408967
Dec 26, 2014	Jan 23, 2015	0.403300
Jan 26, 2015	Feb 24, 2015	0.403117
Feb 25, 2015	Mar 24, 2015	0.402641
Mar 25, 2015	Apr 24, 2015	0.382550
Apr 27, 2015	May 22, 2015	0.376592
May 26, 2015	Jun 24, 2015	0.373888
Jun 25, 2015		0.370909
		_

4A1D Certificate Factor Chart

From	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997818
Jul 25, 2007	Aug 24, 2007	0.997543
Aug 27, 2007	Sep 24, 2007	0.989916
Sep 25, 2007	Oct 24, 2007	0.989766
Oct 25, 2007	Nov 23, 2007	0.984074
Nov 26, 2007	Dec 24, 2007	0.983922
Dec 26, 2007	Jan 24, 2008	0.981626
Jan 25, 2008	Feb 22, 2008	0.963078
Feb 25, 2008	Mar 24, 2008	0.956724
Mar 25, 2008	Apr 24, 2008	0.947740
Apr 25, 2008	May 23, 2008	0.930474
May 27, 2008	Jun 24, 2008	
Jun 25, 2008	Jul 24, 2008	0.921653 0.921482
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	0.918862
Sep 25, 2008	Oct 24, 2008	0.918738
Oct 27, 2008	Nov 24, 2008	0.917093
Nov 25, 2008	Dec 24, 2008	0.905523
Dec 26, 2008	Jan 23, 2009	0.905366
Jan 26, 2009	Feb 24, 2009	0.905366
Feb 25, 2009	Mar 24, 2009	0.901312
	Apr 24, 2009	0.901160
Mar 25, 2009 Apr 27, 2009		0.893904
	May 22, 2009	0.883807
May 26, 2009	Jun 24, 2009	0.881661
Jun 25, 2009	Jul 24, 2009	0.871363
Jul 27, 2009	Aug 24, 2009	0.861685
Aug 25, 2009	Sep 24, 2009	0.835506
Sep 25, 2009	Oct 23, 2009	0.835414
Oct 26, 2009	Nov 24, 2009	0.834718
Nov 25, 2009	Dec 24, 2009	0.828736
Dec 28, 2009 Jan 25, 2010	Jan 22, 2010 Feb 24, 2010	0.817567
Feb 25, 2010	Mar 24, 2010	0.801541
Mar 25, 2010	Apr 23, 2010	0.797503
Apr 26, 2010	May 24, 2010	0.797503
May 25, 2010	Jun 24, 2010	0.793556
Jun 25, 2010	Jul 23, 2010	0.788653
Jul 26, 2010	Aug 24, 2010	0.788265
Aug 25, 2010	Sep 24, 2010	0.749698
Sep 27, 2010	Oct 22, 2010	0.737818
Oct 25, 2010	Nov 24, 2010	0.733163
Nov 26, 2010	Dec 23, 2010	0.725739
Dec 27, 2010	Jan 24, 2011	0.715040
Jan 25, 2011	Feb 24, 2011	0.714938
Feb 25, 2011	Mar 24, 2011	0.707965
Mar 25, 2011	Apr 22, 2011	0.693960
Apr 25, 2011	May 24, 2011	0.693822
May 25, 2011	Jun 24, 2011	0.693701
Jun 27, 2011	Jul 22, 2011	0.693592
Jul 25, 2011	Aug 24, 2011	0.691842
	0 = 1, =====	0.688618

4A1D Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.688618
Sep 26, 2011	Oct 24, 2011	0.688618
Oct 25, 2011	Nov 23, 2011	0.688618
Nov 25, 2011	Dec 23, 2011	0.688618
Dec 27, 2011	Jan 24, 2012	0.675929
Jan 25, 2012	Feb 24, 2012	0.673375
Feb 27, 2012	Mar 23, 2012	0.672838
Mar 26, 2012	Apr 24, 2012	0.668876
Apr 25, 2012	May 24, 2012	0.666692
May 25, 2012	Jun 22, 2012	0.661576
Jun 25, 2012	Jul 24, 2012	0.656421
Jul 25, 2012	Aug 24, 2012	0.653477
Aug 27, 2012	Sep 24, 2012	0.639025
Sep 25, 2012	Oct 24, 2012	0.638798
Oct 25, 2012	Nov 23, 2012	0.621271
Nov 26, 2012	Dec 24, 2012	0.600081
Dec 26, 2012	Jan 24, 2013	0.594458
Jan 25, 2013	Feb 22, 2013	0.590518
Feb 25, 2013	Mar 22, 2013	0.590299
Mar 25, 2013	Apr 24, 2013	0.583963
Apr 25, 2013	May 24, 2013	0.573358
May 28, 2013	Jun 24, 2013	0.573409
Jun 25, 2013	Jul 24, 2013	0.551954
Jul 25, 2013	Aug 23, 2013	0.527769
Aug 26, 2013	Sep 24, 2013	0.522846
Sep 25, 2013	Oct 24, 2013	0.522714
Oct 25, 2013	Nov 22, 2013	0.519032
Nov 25, 2013	Dec 24, 2013	0.511959
Dec 26, 2013	Jan 24, 2014	0.489025
Jan 27, 2014	Feb 24, 2014	0.480434
Feb 25, 2014	Mar 24, 2014	0.457810
Mar 25, 2014	Apr 24, 2014	0.455503
Apr 25, 2014	May 23, 2014	0.448625
May 27, 2014	Jun 24, 2014	0.433680
Jun 25, 2014	Jul 24, 2014	0.429413
Jul 25, 2014	Aug 22, 2014	0.427539
Aug 25, 2014	Sep 24, 2014	0.426464
Sep 25, 2014	Oct 24, 2014	0.423300
Oct 27, 2014	Nov 24, 2014	0.415698
Nov 25, 2014	Dec 24, 2014	0.408967
Dec 26, 2014	Jan 23, 2015	0.403300
Jan 26, 2015	Feb 24, 2015	0.403117
Feb 25, 2015	Mar 24, 2015	0.402641
Mar 25, 2015	Apr 24, 2015	0.382550
Apr 27, 2015	May 22, 2015	0.376592
May 26, 2015	Jun 24, 2015	0.373888
Jun 25, 2015		0.370909

4A1E Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997818
Jul 25, 2007	Aug 24, 2007	0.997543
Aug 27, 2007	Sep 24, 2007	0.989916
Sep 25, 2007	Oct 24, 2007	0.989766
Oct 25, 2007	Nov 23, 2007	0.984074
Nov 26, 2007	Dec 24, 2007	0.983922
Dec 26, 2007	Jan 24, 2008	0.981626
Jan 25, 2008	Feb 22, 2008	0.963078
Feb 25, 2008	Mar 24, 2008	0.956724
Mar 25, 2008	Apr 24, 2008	0.947740
Apr 25, 2008	May 23, 2008	0.930474
May 27, 2008	Jun 24, 2008	0.921653
Jun 25, 2008	Jul 24, 2008	0.921482
Jul 25, 2008	Aug 22, 2008	0.918862
Aug 25, 2008	Sep 24, 2008	0.918738
Sep 25, 2008	Oct 24, 2008	0.917093
Oct 27, 2008	Nov 24, 2008	0.905523
Nov 25, 2008	Dec 24, 2008	0.905366
Dec 26, 2008	Jan 23, 2009	0.905366
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	0.901312 0.901160
Mar 25, 2009	Apr 24, 2009	
Apr 27, 2009	May 22, 2009	0.893904
May 26, 2009	Jun 24, 2009	0.883807
Jun 25, 2009	Jul 24, 2009	0.881661
Jul 27, 2009	Aug 24, 2009	0.871363
Aug 25, 2009	Sep 24, 2009	0.861685 0.835506
Sep 25, 2009	Oct 23, 2009	0.835414
Oct 26, 2009	Nov 24, 2009	0.834718
Nov 25, 2009	Dec 24, 2009	0.828736
Dec 28, 2009	Jan 22, 2010	0.817567
Jan 25, 2010	Feb 24, 2010	0.801541
Feb 25, 2010	Mar 24, 2010	0.797503
Mar 25, 2010	Apr 23, 2010	0.797503
Apr 26, 2010	May 24, 2010	0.793556
May 25, 2010	Jun 24, 2010	0.788653
Jun 25, 2010	Jul 23, 2010	0.788265
Jul 26, 2010	Aug 24, 2010	0.749698
Aug 25, 2010	Sep 24, 2010	0.737818
Sep 27, 2010	Oct 22, 2010	0.733163
Oct 25, 2010	Nov 24, 2010	0.725739
Nov 26, 2010	Dec 23, 2010	0.715040
Dec 27, 2010	Jan 24, 2011	0.714938
Jan 25, 2011	Feb 24, 2011	0.707965
Feb 25, 2011	Mar 24, 2011	0.693960
Mar 25, 2011	Apr 22, 2011	0.693822
Apr 25, 2011	May 24, 2011	0.693701
May 25, 2011	Jun 24, 2011	0.693592
Jun 27, 2011	Jul 22, 2011	0.691842
Jul 25, 2011	Aug 24, 2011	0.688618

4A1E Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.688618
Sep 26, 2011	Oct 24, 2011	0.688618
Oct 25, 2011	Nov 23, 2011	0.688618
Nov 25, 2011	Dec 23, 2011	0.688618
Dec 27, 2011	Jan 24, 2012	0.675929
Jan 25, 2012	Feb 24, 2012	0.673375
Feb 27, 2012	Mar 23, 2012	0.672838
Mar 26, 2012	Apr 24, 2012	0.668876
Apr 25, 2012	May 24, 2012	0.666692
May 25, 2012	Jun 22, 2012	0.661576
Jun 25, 2012	Jul 24, 2012	0.656421
Jul 25, 2012	Aug 24, 2012	0.653477
Aug 27, 2012	Sep 24, 2012	0.639025
Sep 25, 2012	Oct 24, 2012	0.638798
Oct 25, 2012	Nov 23, 2012	0.621271
Nov 26, 2012	Dec 24, 2012	0.600081
Dec 26, 2012	Jan 24, 2013	0.594458
Jan 25, 2013	Feb 22, 2013	0.590518
Feb 25, 2013	Mar 22, 2013	0.590299
Mar 25, 2013	Apr 24, 2013	0.583963
Apr 25, 2013	May 24, 2013	0.573358
May 28, 2013	Jun 24, 2013	0.573409
Jun 25, 2013	Jul 24, 2013	0.551954
Jul 25, 2013	Aug 23, 2013	0.527769
Aug 26, 2013	Sep 24, 2013	0.522846
Sep 25, 2013	Oct 24, 2013	0.522714
Oct 25, 2013	Nov 22, 2013	0.519032
Nov 25, 2013	Dec 24, 2013	0.511959
Dec 26, 2013	Jan 24, 2014	0.489025
Jan 27, 2014	Feb 24, 2014	0.480434
Feb 25, 2014	Mar 24, 2014	0.457810
Mar 25, 2014	Apr 24, 2014	0.455503
Apr 25, 2014	May 23, 2014	0.448625
May 27, 2014	Jun 24, 2014	0.433680
Jun 25, 2014	Jul 24, 2014	0.429413
Jul 25, 2014	Aug 22, 2014	0.427539
Aug 25, 2014	Sep 24, 2014	0.426464
Sep 25, 2014	Oct 24, 2014	0.423300
Oct 27, 2014	Nov 24, 2014	0.415698
Nov 25, 2014	Dec 24, 2014	0.408967
Dec 26, 2014	Jan 23, 2015	0.403300
Jan 26, 2015	Feb 24, 2015	0.403117
Feb 25, 2015	Mar 24, 2015	0.402641
Mar 25, 2015	Apr 24, 2015	0.382550
Apr 27, 2015	May 22, 2015	0.376592
May 26, 2015	Jun 24, 2015	0.373888
Jun 25, 2015		0.370909

4A1F Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997818
Jul 25, 2007	Aug 24, 2007	0.997543
Aug 27, 2007	Sep 24, 2007	0.989916
Sep 25, 2007	Oct 24, 2007	0.989766
Oct 25, 2007	Nov 23, 2007	0.984074
Nov 26, 2007	Dec 24, 2007	0.983922
Dec 26, 2007	Jan 24, 2008	0.981626
Jan 25, 2008	Feb 22, 2008	0.963078
Feb 25, 2008	Mar 24, 2008	0.956724
Mar 25, 2008	Apr 24, 2008	0.947740
Apr 25, 2008	May 23, 2008	0.930474
May 27, 2008	Jun 24, 2008	0.921653
Jun 25, 2008	Jul 24, 2008	0.921482
Jul 25, 2008	Aug 22, 2008	0.918862
Aug 25, 2008	Sep 24, 2008	0.918738
Sep 25, 2008	Oct 24, 2008	0.917093
Oct 27, 2008	Nov 24, 2008	0.905523
Nov 25, 2008	Dec 24, 2008	0.905366
Dec 26, 2008	Jan 23, 2009	0.905366
Jan 26, 2009	Feb 24, 2009	0.901312
Feb 25, 2009	Mar 24, 2009	0.901160
Mar 25, 2009	Apr 24, 2009	0.893904
Apr 27, 2009	May 22, 2009	0.883807
May 26, 2009	Jun 24, 2009	0.881661
Jun 25, 2009	Jul 24, 2009	0.871363
Jul 27, 2009	Aug 24, 2009	0.861685
Aug 25, 2009	Sep 24, 2009	0.835506
Sep 25, 2009	Oct 23, 2009	0.835414
Oct 26, 2009	Nov 24, 2009	0.834718
Nov 25, 2009	Dec 24, 2009	0.828736
Dec 28, 2009	Jan 22, 2010	0.817567
Jan 25, 2010	Feb 24, 2010	0.801541
Feb 25, 2010	Mar 24, 2010	0.797503
Mar 25, 2010	Apr 23, 2010	0.797503
Apr 26, 2010	May 24, 2010	0.793556
May 25, 2010	Jun 24, 2010	0.788653
Jun 25, 2010	Jul 23, 2010	0.788265
Jul 26, 2010	Aug 24, 2010	0.749698
Aug 25, 2010	Sep 24, 2010	0.737818
Sep 27, 2010	Oct 22, 2010	0.733163
Oct 25, 2010	Nov 24, 2010	0.725739
Nov 26, 2010	Dec 23, 2010	0.715040
Dec 27, 2010	Jan 24, 2011	0.714938
Jan 25, 2011	Feb 24, 2011	0.707965
Feb 25, 2011	Mar 24, 2011	0.693960
Mar 25, 2011	Apr 22, 2011	0.693822
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.693701
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.693592
Jul 25, 2011	Aug 24, 2011	0.691842
Jui 23, 2011	7ug 27, 2011	0.688618

4A1F Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.688618
Sep 26, 2011	Oct 24, 2011	0.688618
Oct 25, 2011	Nov 23, 2011	0.688618
Nov 25, 2011	Dec 23, 2011	0.688618
Dec 27, 2011	Jan 24, 2012	0.675929
Jan 25, 2012	Feb 24, 2012	0.673375
Feb 27, 2012	Mar 23, 2012	0.672838
Mar 26, 2012	Apr 24, 2012	0.668876
Apr 25, 2012	May 24, 2012	0.666692
May 25, 2012	Jun 22, 2012	0.661576
Jun 25, 2012	Jul 24, 2012	0.656421
Jul 25, 2012	Aug 24, 2012	0.653477
Aug 27, 2012	Sep 24, 2012	0.639025
Sep 25, 2012	Oct 24, 2012	0.638798
Oct 25, 2012	Nov 23, 2012	0.621271
Nov 26, 2012	Dec 24, 2012	0.600081
Dec 26, 2012	Jan 24, 2013	0.594458
Jan 25, 2013	Feb 22, 2013	0.590518
Feb 25, 2013	Mar 22, 2013	0.590299
Mar 25, 2013	Apr 24, 2013	0.583963
Apr 25, 2013	May 24, 2013	0.573358
May 28, 2013	Jun 24, 2013	0.573409
Jun 25, 2013	Jul 24, 2013	0.551954
Jul 25, 2013	Aug 23, 2013	0.527769
Aug 26, 2013	Sep 24, 2013	0.522846
Sep 25, 2013	Oct 24, 2013	0.522714
Oct 25, 2013	Nov 22, 2013	0.519032
Nov 25, 2013	Dec 24, 2013	0.511959
Dec 26, 2013	Jan 24, 2014	0.489025
Jan 27, 2014	Feb 24, 2014	0.480434
Feb 25, 2014	Mar 24, 2014	0.457810
Mar 25, 2014	Apr 24, 2014	0.455503
Apr 25, 2014	May 23, 2014	0.448625
May 27, 2014	Jun 24, 2014	0.433680
Jun 25, 2014	Jul 24, 2014	0.429413
Jul 25, 2014	Aug 22, 2014	0.427539
Aug 25, 2014	Sep 24, 2014	0.426464
Sep 25, 2014	Oct 24, 2014	0.423300
Oct 27, 2014	Nov 24, 2014	0.415698
Nov 25, 2014	Dec 24, 2014	0.408967
Dec 26, 2014	Jan 23, 2015	0.403300
Jan 26, 2015	Feb 24, 2015	0.403117
Feb 25, 2015	Mar 24, 2015	0.402641
Mar 25, 2015	Apr 24, 2015	0.382550
Apr 27, 2015	May 22, 2015	0.376592
May 26, 2015	Jun 24, 2015	0.373888
Jun 25, 2015		0.370909

4A1G Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997818
Jul 25, 2007	Aug 24, 2007	0.997543
Aug 27, 2007	Sep 24, 2007	0.989916
Sep 25, 2007	Oct 24, 2007	0.989766
Oct 25, 2007	Nov 23, 2007	0.984074
Nov 26, 2007	Dec 24, 2007	0.983922
Dec 26, 2007	Jan 24, 2008	0.981626
Jan 25, 2008	Feb 22, 2008	0.963078
Feb 25, 2008	Mar 24, 2008	0.956724
Mar 25, 2008	Apr 24, 2008	0.947740
Apr 25, 2008	May 23, 2008	0.930474
May 27, 2008	Jun 24, 2008	0.921653
Jun 25, 2008	Jul 24, 2008	0.921482
Jul 25, 2008	Aug 22, 2008	0.918862
Aug 25, 2008	Sep 24, 2008	0.918738
Sep 25, 2008	Oct 24, 2008	0.917093
Oct 27, 2008	Nov 24, 2008	0.905523
Nov 25, 2008	Dec 24, 2008	0.905366
Dec 26, 2008	Jan 23, 2009	0.905366
Jan 26, 2009	Feb 24, 2009	0.901312
Feb 25, 2009	Mar 24, 2009	0.901160
Mar 25, 2009	Apr 24, 2009	0.893904
Apr 27, 2009	May 22, 2009	0.883807
May 26, 2009	Jun 24, 2009	0.881661
Jun 25, 2009	Jul 24, 2009	0.871363
Jul 27, 2009	Aug 24, 2009	0.861685
Aug 25, 2009	Sep 24, 2009	0.835506
Sep 25, 2009	Oct 23, 2009	0.835414
Oct 26, 2009	Nov 24, 2009	0.834718
Nov 25, 2009	Dec 24, 2009	0.828736
Dec 28, 2009	Jan 22, 2010	0.817567
Jan 25, 2010	Feb 24, 2010	0.801541
Feb 25, 2010	Mar 24, 2010	0.797503
Mar 25, 2010	Apr 23, 2010	0.797503
Apr 26, 2010	May 24, 2010	0.793556
May 25, 2010	Jun 24, 2010	0.788653
Jun 25, 2010	Jul 23, 2010	0.788265
Jul 26, 2010	Aug 24, 2010	0.749698
Aug 25, 2010	Sep 24, 2010	0.737818
Sep 27, 2010	Oct 22, 2010	0.733163
Oct 25, 2010	Nov 24, 2010	0.725739
Nov 26, 2010	Dec 23, 2010	0.715040
Dec 27, 2010	Jan 24, 2011	0.714938
Jan 25, 2011	Feb 24, 2011	0.707965
Feb 25, 2011	Mar 24, 2011	0.693960
Mar 25, 2011	Apr 22, 2011	0.693822
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.693701
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.693592
Jul 25, 2011	Aug 24, 2011	0.691842
Jui 23, 2011	7ug 27, 2011	0.688618

4A1G Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.688618
Sep 26, 2011	Oct 24, 2011	0.688618
Oct 25, 2011	Nov 23, 2011	0.688618
Nov 25, 2011	Dec 23, 2011	0.688618
Dec 27, 2011	Jan 24, 2012	0.675929
Jan 25, 2012	Feb 24, 2012	0.673375
Feb 27, 2012	Mar 23, 2012	0.672838
Mar 26, 2012	Apr 24, 2012	0.668876
Apr 25, 2012	May 24, 2012	0.666692
May 25, 2012	Jun 22, 2012	0.661576
Jun 25, 2012	Jul 24, 2012	0.656421
Jul 25, 2012	Aug 24, 2012	0.653477
Aug 27, 2012	Sep 24, 2012	0.639025
Sep 25, 2012	Oct 24, 2012	0.638798
Oct 25, 2012	Nov 23, 2012	0.621271
Nov 26, 2012	Dec 24, 2012	0.600081
Dec 26, 2012	Jan 24, 2013	0.594458
Jan 25, 2013	Feb 22, 2013	0.590518
Feb 25, 2013	Mar 22, 2013	0.590299
Mar 25, 2013	Apr 24, 2013	0.583963
Apr 25, 2013	May 24, 2013	0.573358
May 28, 2013	Jun 24, 2013	0.573409
Jun 25, 2013	Jul 24, 2013	0.551954
Jul 25, 2013	Aug 23, 2013	0.527769
Aug 26, 2013	Sep 24, 2013	0.522846
Sep 25, 2013	Oct 24, 2013	0.522714
Oct 25, 2013	Nov 22, 2013	0.519032
Nov 25, 2013	Dec 24, 2013	0.511959
Dec 26, 2013	Jan 24, 2014	0.489025
Jan 27, 2014	Feb 24, 2014	0.480434
Feb 25, 2014	Mar 24, 2014	0.457810
Mar 25, 2014	Apr 24, 2014	0.455503
Apr 25, 2014	May 23, 2014	0.448625
May 27, 2014	Jun 24, 2014	0.433680
Jun 25, 2014	Jul 24, 2014	0.429413
Jul 25, 2014	Aug 22, 2014	0.427539
Aug 25, 2014	Sep 24, 2014	0.426464
Sep 25, 2014	Oct 24, 2014	0.423300
Oct 27, 2014	Nov 24, 2014	0.415698
Nov 25, 2014	Dec 24, 2014	0.408967
Dec 26, 2014	Jan 23, 2015	0.403300
Jan 26, 2015	Feb 24, 2015	0.403117
Feb 25, 2015	Mar 24, 2015	0.402641
Mar 25, 2015	Apr 24, 2015	0.382550
Apr 27, 2015	May 22, 2015	0.376592
May 26, 2015	Jun 24, 2015	0.373888
Jun 25, 2015		0.370909

4A1H Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997818
Jul 25, 2007	Aug 24, 2007	0.997543
Aug 27, 2007	Sep 24, 2007	0.989916
Sep 25, 2007	Oct 24, 2007	0.989766
Oct 25, 2007	Nov 23, 2007	0.984074
Nov 26, 2007	Dec 24, 2007	0.983922
Dec 26, 2007	Jan 24, 2008	0.981626
Jan 25, 2008	Feb 22, 2008	0.963078
Feb 25, 2008	Mar 24, 2008	0.956724
Mar 25, 2008	Apr 24, 2008	0.947740
Apr 25, 2008	May 23, 2008	0.930474
May 27, 2008	Jun 24, 2008	0.921653
Jun 25, 2008	Jul 24, 2008	0.921482
Jul 25, 2008	Aug 22, 2008	0.918862
Aug 25, 2008	Sep 24, 2008	0.918738
Sep 25, 2008	Oct 24, 2008	0.917093
Oct 27, 2008	Nov 24, 2008	0.905523
Nov 25, 2008	Dec 24, 2008	0.905366
Dec 26, 2008	Jan 23, 2009	0.905366
Jan 26, 2009	Feb 24, 2009	0.901312
Feb 25, 2009	Mar 24, 2009	0.901160
Mar 25, 2009	Apr 24, 2009	0.893904
Apr 27, 2009	May 22, 2009	0.883807
May 26, 2009	Jun 24, 2009	0.881661
Jun 25, 2009	Jul 24, 2009	0.871363
Jul 27, 2009	Aug 24, 2009	0.861685
Aug 25, 2009	Sep 24, 2009	0.835506
Sep 25, 2009	Oct 23, 2009	0.835414
Oct 26, 2009	Nov 24, 2009	0.834718
Nov 25, 2009	Dec 24, 2009	0.828736
Dec 28, 2009	Jan 22, 2010	0.817567
Jan 25, 2010	Feb 24, 2010	0.801541
Feb 25, 2010	Mar 24, 2010	0.797503
Mar 25, 2010	Apr 23, 2010	0.797503
Apr 26, 2010	May 24, 2010	0.793556
May 25, 2010	Jun 24, 2010	0.788653
Jun 25, 2010	Jul 23, 2010	0.788265
Jul 26, 2010	Aug 24, 2010	0.749698
Aug 25, 2010	Sep 24, 2010	0.737818
Sep 27, 2010	Oct 22, 2010	0.733163
Oct 25, 2010	Nov 24, 2010	0.725739
Nov 26, 2010	Dec 23, 2010	0.715040
Dec 27, 2010	Jan 24, 2011	0.714938
Jan 25, 2011	Feb 24, 2011	0.707965
Feb 25, 2011	Mar 24, 2011	0.693960
Mar 25, 2011	Apr 22, 2011	0.693822
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.693701
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.693592
Jul 25, 2011	Aug 24, 2011	0.691842
Jui 23, 2011	7ug 27, 2011	0.688618

4A1H Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.688618
Sep 26, 2011	Oct 24, 2011	0.688618
Oct 25, 2011	Nov 23, 2011	0.688618
Nov 25, 2011	Dec 23, 2011	0.688618
Dec 27, 2011	Jan 24, 2012	0.675929
Jan 25, 2012	Feb 24, 2012	0.673375
Feb 27, 2012	Mar 23, 2012	0.672838
Mar 26, 2012	Apr 24, 2012	0.668876
Apr 25, 2012	May 24, 2012	0.666692
May 25, 2012	Jun 22, 2012	0.661576
Jun 25, 2012	Jul 24, 2012	0.656421
Jul 25, 2012	Aug 24, 2012	0.653477
Aug 27, 2012	Sep 24, 2012	0.639025
Sep 25, 2012	Oct 24, 2012	0.638798
Oct 25, 2012	Nov 23, 2012	0.621271
Nov 26, 2012	Dec 24, 2012	0.600081
Dec 26, 2012	Jan 24, 2013	0.594458
Jan 25, 2013	Feb 22, 2013	0.590518
Feb 25, 2013	Mar 22, 2013	0.590299
Mar 25, 2013	Apr 24, 2013	0.583963
Apr 25, 2013	May 24, 2013	0.573358
May 28, 2013	Jun 24, 2013	0.573409
Jun 25, 2013	Jul 24, 2013	0.551954
Jul 25, 2013	Aug 23, 2013	0.527769
Aug 26, 2013	Sep 24, 2013	0.522846
Sep 25, 2013	Oct 24, 2013	0.522714
Oct 25, 2013	Nov 22, 2013	0.519032
Nov 25, 2013	Dec 24, 2013	0.511959
Dec 26, 2013	Jan 24, 2014	0.489025
Jan 27, 2014	Feb 24, 2014	0.480434
Feb 25, 2014	Mar 24, 2014	0.457810
Mar 25, 2014	Apr 24, 2014	0.455503
Apr 25, 2014	May 23, 2014	0.448625
May 27, 2014	Jun 24, 2014	0.433680
Jun 25, 2014	Jul 24, 2014	0.429413
Jul 25, 2014	Aug 22, 2014	0.427539
Aug 25, 2014	Sep 24, 2014	0.426464
Sep 25, 2014	Oct 24, 2014	0.423300
Oct 27, 2014	Nov 24, 2014	0.415698
Nov 25, 2014	Dec 24, 2014	0.408967
Dec 26, 2014	Jan 23, 2015	0.403300
Jan 26, 2015	Feb 24, 2015	0.403117
Feb 25, 2015	Mar 24, 2015	0.402641
Mar 25, 2015	Apr 24, 2015	0.382550
Apr 27, 2015	May 22, 2015	0.376592
May 26, 2015	Jun 24, 2015	0.373888
Jun 25, 2015		0.370909

4A1I Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997818
Jul 25, 2007	Aug 24, 2007	0.997543
Aug 27, 2007	Sep 24, 2007	0.989916
Sep 25, 2007	Oct 24, 2007	0.989766
Oct 25, 2007	Nov 23, 2007	0.984074
Nov 26, 2007	Dec 24, 2007	0.983922
Dec 26, 2007	Jan 24, 2008	0.981626
Jan 25, 2008	Feb 22, 2008	0.963078
Feb 25, 2008	Mar 24, 2008	0.956724
Mar 25, 2008	Apr 24, 2008	0.947740
Apr 25, 2008	May 23, 2008	0.930474
May 27, 2008	Jun 24, 2008	0.921653
Jun 25, 2008	Jul 24, 2008	0.921482
Jul 25, 2008	Aug 22, 2008	0.918862
Aug 25, 2008	Sep 24, 2008	0.918738
Sep 25, 2008	Oct 24, 2008	0.917093
Oct 27, 2008	Nov 24, 2008	0.905523
Nov 25, 2008	Dec 24, 2008	0.905366
Dec 26, 2008	Jan 23, 2009	0.905366
Jan 26, 2009	Feb 24, 2009	0.901312
Feb 25, 2009	Mar 24, 2009	0.901160
Mar 25, 2009	Apr 24, 2009	0.893904
Apr 27, 2009	May 22, 2009	0.883807
May 26, 2009	Jun 24, 2009	0.881661
Jun 25, 2009	Jul 24, 2009	0.871363
Jul 27, 2009	Aug 24, 2009	0.861685
Aug 25, 2009	Sep 24, 2009	0.835506
Sep 25, 2009	Oct 23, 2009	0.835414
Oct 26, 2009	Nov 24, 2009	0.834718
Nov 25, 2009	Dec 24, 2009	0.828736
Dec 28, 2009	Jan 22, 2010	0.817567
Jan 25, 2010	Feb 24, 2010	0.801541
Feb 25, 2010	Mar 24, 2010	0.797503
Mar 25, 2010	Apr 23, 2010	0.797503
Apr 26, 2010	May 24, 2010	0.793556
May 25, 2010	Jun 24, 2010	0.788653
Jun 25, 2010	Jul 23, 2010	0.788265
Jul 26, 2010	Aug 24, 2010	0.749698
Aug 25, 2010	Sep 24, 2010	0.737818
Sep 27, 2010	Oct 22, 2010	0.733163
Oct 25, 2010	Nov 24, 2010	0.725739
Nov 26, 2010	Dec 23, 2010	0.715040
Dec 27, 2010	Jan 24, 2011	0.714938
Jan 25, 2011	Feb 24, 2011	0.707965
Feb 25, 2011	Mar 24, 2011	0.693960
Mar 25, 2011	Apr 22, 2011	0.693822
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.693701
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.693592
Jul 25, 2011	Aug 24, 2011	0.691842
Jui 23, 2011	7ug 27, 2011	0.688618

4A1I Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.688618
Sep 26, 2011	Oct 24, 2011	0.688618
Oct 25, 2011	Nov 23, 2011	0.688618
Nov 25, 2011	Dec 23, 2011	0.688618
Dec 27, 2011	Jan 24, 2012	0.675929
Jan 25, 2012	Feb 24, 2012	0.673375
Feb 27, 2012	Mar 23, 2012	0.672838
Mar 26, 2012	Apr 24, 2012	0.668876
Apr 25, 2012	May 24, 2012	0.666692
May 25, 2012	Jun 22, 2012	0.661576
Jun 25, 2012	Jul 24, 2012	0.656421
Jul 25, 2012	Aug 24, 2012	0.653477
Aug 27, 2012	Sep 24, 2012	0.639025
Sep 25, 2012	Oct 24, 2012	0.638798
Oct 25, 2012	Nov 23, 2012	0.621271
Nov 26, 2012	Dec 24, 2012	0.600081
Dec 26, 2012	Jan 24, 2013	0.594458
Jan 25, 2013	Feb 22, 2013	0.590518
Feb 25, 2013	Mar 22, 2013	0.590299
Mar 25, 2013	Apr 24, 2013	0.583963
Apr 25, 2013	May 24, 2013	0.573358
May 28, 2013	Jun 24, 2013	0.573409
Jun 25, 2013	Jul 24, 2013	0.551954
Jul 25, 2013	Aug 23, 2013	0.527769
Aug 26, 2013	Sep 24, 2013	0.522846
Sep 25, 2013	Oct 24, 2013	0.522714
Oct 25, 2013	Nov 22, 2013	0.519032
Nov 25, 2013	Dec 24, 2013	0.511959
Dec 26, 2013	Jan 24, 2014	0.489025
Jan 27, 2014	Feb 24, 2014	0.480434
Feb 25, 2014	Mar 24, 2014	0.457810
Mar 25, 2014	Apr 24, 2014	0.455503
Apr 25, 2014	May 23, 2014	0.448625
May 27, 2014	Jun 24, 2014	0.433680
Jun 25, 2014	Jul 24, 2014	0.429413
Jul 25, 2014	Aug 22, 2014	0.427539
Aug 25, 2014	Sep 24, 2014	0.426464
Sep 25, 2014	Oct 24, 2014	0.423300
Oct 27, 2014	Nov 24, 2014	0.415698
Nov 25, 2014	Dec 24, 2014	0.408967
Dec 26, 2014	Jan 23, 2015	0.403300
Jan 26, 2015	Feb 24, 2015	0.403117
Feb 25, 2015	Mar 24, 2015	0.402641
Mar 25, 2015	Apr 24, 2015	0.382550
Apr 27, 2015	May 22, 2015	0.376592
May 26, 2015	Jun 24, 2015	0.373888
Jun 25, 2015		0.370909

4A1J Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997818
Jul 25, 2007	Aug 24, 2007	0.997543
Aug 27, 2007	Sep 24, 2007	0.989916
Sep 25, 2007	Oct 24, 2007	0.989766
Oct 25, 2007	Nov 23, 2007	0.984074
Nov 26, 2007	Dec 24, 2007	0.983922
Dec 26, 2007	Jan 24, 2008	0.981626
Jan 25, 2008	Feb 22, 2008	0.963078
Feb 25, 2008	Mar 24, 2008	0.956724
Mar 25, 2008	Apr 24, 2008	0.947740
Apr 25, 2008	May 23, 2008	0.930474
May 27, 2008	Jun 24, 2008	0.921653
Jun 25, 2008	Jul 24, 2008	0.921482
Jul 25, 2008	Aug 22, 2008	0.918862
Aug 25, 2008	Sep 24, 2008	0.918738
Sep 25, 2008	Oct 24, 2008	0.917093
Oct 27, 2008	Nov 24, 2008	0.905523
Nov 25, 2008	Dec 24, 2008	0.905366
Dec 26, 2008	Jan 23, 2009	0.905366
Jan 26, 2009	Feb 24, 2009	0.901312
Feb 25, 2009	Mar 24, 2009	0.901160
Mar 25, 2009	Apr 24, 2009	0.893904
Apr 27, 2009	May 22, 2009	0.883807
May 26, 2009	Jun 24, 2009	0.881661
Jun 25, 2009	Jul 24, 2009	0.871363
Jul 27, 2009	Aug 24, 2009	0.861685
Aug 25, 2009	Sep 24, 2009	0.835506
Sep 25, 2009	Oct 23, 2009	0.835414
Oct 26, 2009	Nov 24, 2009	0.834718
Nov 25, 2009	Dec 24, 2009	0.828736
Dec 28, 2009	Jan 22, 2010	0.817567
Jan 25, 2010	Feb 24, 2010	0.801541
Feb 25, 2010	Mar 24, 2010	0.797503
Mar 25, 2010	Apr 23, 2010	0.797503
Apr 26, 2010	May 24, 2010	0.793556
May 25, 2010	Jun 24, 2010	0.788653
Jun 25, 2010	Jul 23, 2010	0.788265
Jul 26, 2010	Aug 24, 2010	0.749698
Aug 25, 2010	Sep 24, 2010	0.737818
Sep 27, 2010	Oct 22, 2010	0.733163
Oct 25, 2010	Nov 24, 2010	0.725739
Nov 26, 2010	Dec 23, 2010	0.715040
Dec 27, 2010	Jan 24, 2011	0.714938
Jan 25, 2011	Feb 24, 2011	0.707965
Feb 25, 2011	Mar 24, 2011	0.693960
Mar 25, 2011	Apr 22, 2011	0.693822
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.693701
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.693592
Jul 25, 2011	Aug 24, 2011	0.691842
Jui 23, 2011	7ug 27, 2011	0.688618

4A1J Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.688618
Sep 26, 2011	Oct 24, 2011	0.688618
Oct 25, 2011	Nov 23, 2011	0.688618
Nov 25, 2011	Dec 23, 2011	0.688618
Dec 27, 2011	Jan 24, 2012	0.675929
Jan 25, 2012	Feb 24, 2012	0.673375
Feb 27, 2012	Mar 23, 2012	0.672838
Mar 26, 2012	Apr 24, 2012	0.668876
Apr 25, 2012	May 24, 2012	0.666692
May 25, 2012	Jun 22, 2012	0.661576
Jun 25, 2012	Jul 24, 2012	0.656421
Jul 25, 2012	Aug 24, 2012	0.653477
Aug 27, 2012	Sep 24, 2012	0.639025
Sep 25, 2012	Oct 24, 2012	0.638798
Oct 25, 2012	Nov 23, 2012	0.621271
Nov 26, 2012	Dec 24, 2012	0.600081
Dec 26, 2012	Jan 24, 2013	0.594458
Jan 25, 2013	Feb 22, 2013	0.590518
Feb 25, 2013	Mar 22, 2013	0.590299
Mar 25, 2013	Apr 24, 2013	0.583963
Apr 25, 2013	May 24, 2013	0.573358
May 28, 2013	Jun 24, 2013	0.573409
Jun 25, 2013	Jul 24, 2013	0.551954
Jul 25, 2013	Aug 23, 2013	0.527769
Aug 26, 2013	Sep 24, 2013	0.522846
Sep 25, 2013	Oct 24, 2013	0.522714
Oct 25, 2013	Nov 22, 2013	0.519032
Nov 25, 2013	Dec 24, 2013	0.511959
Dec 26, 2013	Jan 24, 2014	0.489025
Jan 27, 2014	Feb 24, 2014	0.480434
Feb 25, 2014	Mar 24, 2014	0.457810
Mar 25, 2014	Apr 24, 2014	0.455503
Apr 25, 2014	May 23, 2014	0.448625
May 27, 2014	Jun 24, 2014	0.433680
Jun 25, 2014	Jul 24, 2014	0.429413
Jul 25, 2014	Aug 22, 2014	0.427539
Aug 25, 2014	Sep 24, 2014	0.426464
Sep 25, 2014	Oct 24, 2014	0.423300
Oct 27, 2014	Nov 24, 2014	0.415698
Nov 25, 2014	Dec 24, 2014	0.408967
Dec 26, 2014	Jan 23, 2015	0.403300
Jan 26, 2015	Feb 24, 2015	0.403117
Feb 25, 2015	Mar 24, 2015	0.402641
Mar 25, 2015	Apr 24, 2015	0.382550
Apr 27, 2015	May 22, 2015	0.376592
May 26, 2015	Jun 24, 2015	0.373888
Jun 25, 2015		0.370909

4A2 Certificate Factor Chart

<u>From</u>	То	Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997818
Jul 25, 2007	Aug 24, 2007	0.997543
Aug 27, 2007	Sep 24, 2007	0.989916
Sep 25, 2007	Oct 24, 2007	0.989766
Oct 25, 2007	Nov 23, 2007	0.984074
Nov 26, 2007	Dec 24, 2007	0.983922
Dec 26, 2007	Jan 24, 2008	0.981626
Jan 25, 2008	Feb 22, 2008	0.963078
Feb 25, 2008	Mar 24, 2008	0.956724
Mar 25, 2008	Apr 24, 2008	0.947740
Apr 25, 2008	May 23, 2008	0.930474
May 27, 2008	Jun 24, 2008	0.921653
Jun 25, 2008	Jul 24, 2008	0.921482
Jul 25, 2008	Aug 22, 2008	0.918862
Aug 25, 2008	Sep 24, 2008	0.918738
Sep 25, 2008	Oct 24, 2008	0.917093
Oct 27, 2008	Nov 24, 2008	
Nov 25, 2008	Dec 24, 2008	0.905523
Dec 26, 2008	Jan 23, 2009	0.905366
Jan 26, 2009	Feb 24, 2009	0.905366
Feb 25, 2009	Mar 24, 2009	0.901312
Mar 25, 2009	Apr 24, 2009	0.901160
Apr 27, 2009	May 22, 2009	0.893904
May 26, 2009	Jun 24, 2009	0.883807
Jun 25, 2009	Jul 24, 2009	0.881661
Jul 27, 2009	Aug 24, 2009	0.871363
Aug 25, 2009	Sep 24, 2009	0.861685 0.835506
Sep 25, 2009	Oct 23, 2009	0.835414
Oct 26, 2009	Nov 24, 2009	0.834718
Nov 25, 2009	Dec 24, 2009	0.828736
Dec 28, 2009	Jan 22, 2010	0.817567
Jan 25, 2010	Feb 24, 2010	0.801541
Feb 25, 2010	Mar 24, 2010	0.797503
Mar 25, 2010	Apr 23, 2010	0.797503
Apr 26, 2010	May 24, 2010	0.793556
May 25, 2010	Jun 24, 2010	0.788653
Jun 25, 2010	Jul 23, 2010	0.788265
Jul 26, 2010	Aug 24, 2010	0.749698
Aug 25, 2010	Sep 24, 2010	0.685566
Sep 27, 2010	Oct 22, 2010	0.665111
Oct 25, 2010	Nov 24, 2010	0.658376
Nov 26, 2010	Dec 23, 2010	0.648671
Dec 27, 2010	Jan 24, 2011	0.648578
Jan 25, 2011	Feb 24, 2011	0.646868
Feb 25, 2011	Mar 24, 2011	0.634071
Mar 25, 2011	Apr 22, 2011	0.634192
Apr 25, 2011	May 24, 2011	0.634082
May 25, 2011	Jun 24, 2011	0.633982
Jun 27, 2011	Jul 22, 2011	0.632382
Jul 25, 2011	Aug 24, 2011	0.629435

4A2 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.629435
Sep 26, 2011	Oct 24, 2011	0.629435
Oct 25, 2011	Nov 23, 2011	0.629435
Nov 25, 2011	Dec 23, 2011	0.629435
Dec 27, 2011	Jan 24, 2012	0.617836
Jan 25, 2012	Feb 24, 2012	0.615502
Feb 27, 2012	Mar 23, 2012	0.615012
Mar 26, 2012	Apr 24, 2012	0.417441
Apr 25, 2012	May 24, 2012	0.401191
May 25, 2012	Jun 22, 2012	0.199511
Jun 25, 2012	Jul 24, 2012	0.075512
Jul 25, 2012	Aug 24, 2012	0.075733
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

CB1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999924
Jul 25, 2007	Aug 24, 2007	0.999846
Aug 27, 2007	Sep 24, 2007	0.999769
Sep 25, 2007	Oct 24, 2007	0.999696
Oct 25, 2007	Nov 23, 2007	0.999626
Nov 26, 2007	Dec 24, 2007	0.999556
Dec 26, 2007	Jan 24, 2008	0.999485
Jan 25, 2008	Feb 22, 2008	0.999414
Feb 25, 2008	Mar 24, 2008	0.999342
Mar 25, 2008	Apr 24, 2008	0.999268
Apr 25, 2008	May 23, 2008	0.999198
May 27, 2008	Jun 24, 2008	0.999126
Jun 25, 2008	Jul 24, 2008	0.999057
Jul 25, 2008	Aug 22, 2008	0.998987
Aug 25, 2008	Sep 24, 2008	0.998917
Sep 25, 2008	Oct 24, 2008	0.998845
Oct 27, 2008	Nov 24, 2008	0.998773
Nov 25, 2008	Dec 24, 2008	0.998701
Dec 26, 2008	Jan 23, 2009	0.998630
Jan 26, 2009	Feb 24, 2009	0.998555
Feb 25, 2009	Mar 24, 2009	0.998475
Mar 25, 2009	Apr 24, 2009	0.998394
Apr 27, 2009	May 22, 2009	0.998312
May 26, 2009	Jun 24, 2009	0.998232
Jun 25, 2009	Jul 24, 2009	0.998150
Jul 27, 2009	Aug 24, 2009	0.998066
Aug 25, 2009	Sep 24, 2009	0.997986
Sep 25, 2009	Oct 23, 2009	0.997904
Oct 26, 2009	Nov 24, 2009	0.997821
Nov 25, 2009	Dec 24, 2009	0.997734
Dec 28, 2009	Jan 22, 2010	0.997734
Jan 25, 2010	Feb 24, 2010	0.997734
Feb 25, 2010	Mar 24, 2010	0.771050
Mar 25, 2010	Apr 23, 2010	0.716153
Apr 26, 2010	May 24, 2010	0.582745
May 25, 2010	Jun 24, 2010	0.550025
Jun 25, 2010	Jul 23, 2010	0.303808
Jul 26, 2010	Aug 24, 2010	0.134564
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000

CB1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

CB2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999924
Jul 25, 2007	Aug 24, 2007	0.999846
Aug 27, 2007	Sep 24, 2007	0.999769
Sep 25, 2007	Oct 24, 2007	0.999696
Oct 25, 2007	Nov 23, 2007	0.999626
Nov 26, 2007	Dec 24, 2007	0.999556
Dec 26, 2007	Jan 24, 2008	0.999485
Jan 25, 2008	Feb 22, 2008	0.999414
Feb 25, 2008	Mar 24, 2008	0.999342
Mar 25, 2008	Apr 24, 2008	0.999268
Apr 25, 2008	May 23, 2008	0.999198
May 27, 2008	Jun 24, 2008	0.999126
Jun 25, 2008	Jul 24, 2008	0.999057
Jul 25, 2008	Aug 22, 2008	0.998987
Aug 25, 2008	Sep 24, 2008	0.998917
Sep 25, 2008	Oct 24, 2008	0.998845
Oct 27, 2008	Nov 24, 2008	0.998773
Nov 25, 2008	Dec 24, 2008	0.998701
Dec 26, 2008	Jan 23, 2009	0.998630
Jan 26, 2009	Feb 24, 2009	0.998555
Feb 25, 2009	Mar 24, 2009	0.998475
Mar 25, 2009	Apr 24, 2009	0.998394
Apr 27, 2009	May 22, 2009	0.998312
May 26, 2009	Jun 24, 2009	0.998232
Jun 25, 2009	Jul 24, 2009	0.998150
Jul 27, 2009	Aug 24, 2009	0.998066
Aug 25, 2009	Sep 24, 2009	0.997986
Sep 25, 2009	Oct 23, 2009	0.997904
Oct 26, 2009	Nov 24, 2009	0.706333
Nov 25, 2009	Dec 24, 2009	0.365817
Dec 28, 2009	Jan 22, 2010	0.133353
Jan 25, 2010	Feb 24, 2010	0.010506
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000

CB2 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.00000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

CB3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999924
Jul 25, 2007	Aug 24, 2007	0.999846
Aug 27, 2007	Sep 24, 2007	0.999769
Sep 25, 2007	Oct 24, 2007	0.999696
Oct 25, 2007	Nov 23, 2007	0.999626
Nov 26, 2007	Dec 24, 2007	0.999556
Dec 26, 2007	Jan 24, 2008	0.999485
Jan 25, 2008	Feb 22, 2008	0.999414
Feb 25, 2008	Mar 24, 2008	
Mar 25, 2008	Apr 24, 2008	0.999342
Apr 25, 2008	May 23, 2008	0.999268
May 27, 2008	Jun 24, 2008	0.999198
Jun 25, 2008	Jul 24, 2008	0.999126
Jul 25, 2008	Aug 22, 2008	0.999057
-		0.998987
Aug 25, 2008	Sep 24, 2008	0.998917
Sep 25, 2008	Oct 24, 2008	0.998845
Oct 27, 2008	Nov 24, 2008	0.998773
Nov 25, 2008	Dec 24, 2008	0.998701
Dec 26, 2008	Jan 23, 2009	0.998630
Jan 26, 2009	Feb 24, 2009	0.998555
Feb 25, 2009	Mar 24, 2009	0.998475
Mar 25, 2009	Apr 24, 2009	0.998394
Apr 27, 2009	May 22, 2009	0.998312
May 26, 2009	Jun 24, 2009	0.998232
Jun 25, 2009	Jul 24, 2009	0.998150
Jul 27, 2009	Aug 24, 2009	0.998066
Aug 25, 2009	Sep 24, 2009	0.909018
Sep 25, 2009	Oct 23, 2009	0.194096
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000

CB3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.991190
Jul 25, 2007	Aug 24, 2007	0.959972
Aug 27, 2007	Sep 24, 2007	0.926695
Sep 25, 2007	Oct 24, 2007	0.897008
Oct 25, 2007	Nov 23, 2007	0.876419
Nov 26, 2007	Dec 24, 2007	0.864828
Dec 26, 2007	Jan 24, 2008	0.854486
Jan 25, 2008	Feb 22, 2008	0.844022
Feb 25, 2008	Mar 24, 2008	0.838991
Mar 25, 2008	Apr 24, 2008	0.831641
Apr 25, 2008	May 23, 2008	0.822482
May 27, 2008	Jun 24, 2008	0.811318
Jun 25, 2008	Jul 24, 2008	0.804825
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	0.798331
Sep 25, 2008	Oct 24, 2008	0.786612
Oct 27, 2008	Nov 24, 2008	0.782831
Nov 25, 2008	Dec 24, 2008	0.777799
Dec 26, 2008	Jan 23, 2009	0.768465
Jan 26, 2009	Feb 24, 2009	0.761160
Feb 25, 2009	Mar 24, 2009	0.754602
Mar 25, 2009	Apr 24, 2009	0.752328
Apr 27, 2009	May 22, 2009	0.746743
May 26, 2009	Jun 24, 2009	0.737777
Jun 25, 2009	Jul 24, 2009	0.727777
Jul 27, 2009	Aug 24, 2009	0.717027
Aug 25, 2009	Sep 24, 2009	0.704803
Sep 25, 2009	Oct 23, 2009	0.699024
Oct 26, 2009	Nov 24, 2009	0.690115
Nov 25, 2009	Dec 24, 2009	0.682063
Dec 28, 2009	Jan 22, 2010	0.671457
Jan 25, 2010	Feb 24, 2010	0.665280
Feb 25, 2010	Mar 24, 2010	0.660213 0.648409
Mar 25, 2010	Apr 23, 2010	0.639304
Apr 26, 2010	May 24, 2010	0.631803
May 25, 2010	Jun 24, 2010	0.624794
Jun 25, 2010	Jul 23, 2010	0.618697
Jul 26, 2010	Aug 24, 2010	0.607857
Aug 25, 2010	Sep 24, 2010	0.599486
Sep 27, 2010	Oct 22, 2010	0.594430
Oct 25, 2010	Nov 24, 2010	0.589377
Nov 26, 2010	Dec 23, 2010	0.579507
Dec 27, 2010	Jan 24, 2011	0.567055
Jan 25, 2011	Feb 24, 2011	0.557314
Feb 25, 2011	Mar 24, 2011	0.547902
Mar 25, 2011	Apr 22, 2011	0.540545
Apr 25, 2011	May 24, 2011	0.535563
May 25, 2011	Jun 24, 2011	0.530787
Jun 27, 2011	Jul 22, 2011	0.523996
Jul 25, 2011	Aug 24, 2011	0.513701
-		

A1 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.508595
Sep 26, 2011	Oct 24, 2011	0.505148
Oct 25, 2011	Nov 23, 2011	0.501616
Nov 25, 2011	Dec 23, 2011	0.496274
Dec 27, 2011	Jan 24, 2012	0.489226
Jan 25, 2012	Feb 24, 2012	0.482226
Feb 27, 2012	Mar 23, 2012	0.478069
Mar 26, 2012	Apr 24, 2012	0.474099
Apr 25, 2012	May 24, 2012	0.471298
May 25, 2012	Jun 22, 2012	0.463949
Jun 25, 2012	Jul 24, 2012	0.460396
Jul 25, 2012	Aug 24, 2012	0.452105
Aug 27, 2012	Sep 24, 2012	0.446362
Sep 25, 2012	Oct 24, 2012	0.440909
Oct 25, 2012	Nov 23, 2012	0.437749
Nov 26, 2012	Dec 24, 2012	0.429172
Dec 26, 2012	Jan 24, 2013	0.420349
Jan 25, 2013	Feb 22, 2013	0.416138
Feb 25, 2013	Mar 22, 2013	0.410347
Mar 25, 2013	Apr 24, 2013	0.405622
Apr 25, 2013	May 24, 2013	0.401886
May 28, 2013	Jun 24, 2013	0.396277
Jun 25, 2013	Jul 24, 2013	0.388010
Jul 25, 2013	Aug 23, 2013	0.381412
Aug 26, 2013	Sep 24, 2013	0.376124
Sep 25, 2013	Oct 24, 2013	0.370054
Oct 25, 2013	Nov 22, 2013	0.364789
Nov 25, 2013	Dec 24, 2013	0.360799
Dec 26, 2013	Jan 24, 2014	0.355678
Jan 27, 2014	Feb 24, 2014	0.351050
Feb 25, 2014	Mar 24, 2014	0.347806
Mar 25, 2014	Apr 24, 2014	0.345258
Apr 25, 2014	May 23, 2014	0.342354
May 27, 2014	Jun 24, 2014	0.336192
Jun 25, 2014	Jul 24, 2014	0.333046
Jul 25, 2014	Aug 22, 2014	0.330387
Aug 25, 2014	Sep 24, 2014	0.327393
Sep 25, 2014	Oct 24, 2014	0.323978
Oct 27, 2014	Nov 24, 2014	0.315068
Nov 25, 2014	Dec 24, 2014	0.310217
Dec 26, 2014	Jan 23, 2015	0.306181
Jan 26, 2015	Feb 24, 2015	0.301619
Feb 25, 2015	Mar 24, 2015	0.299364
Mar 25, 2015	Apr 24, 2015	0.294297
Apr 27, 2015	May 22, 2015	0.291561
May 26, 2015	Jun 24, 2015	0.287830
Jun 25, 2015		0.284043

A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.991190
Jul 25, 2007	Aug 24, 2007	0.959972
Aug 27, 2007	Sep 24, 2007	0.926695
Sep 25, 2007	Oct 24, 2007	0.897008
Oct 25, 2007	Nov 23, 2007	0.876419
Nov 26, 2007	Dec 24, 2007	0.864828
Dec 26, 2007	Jan 24, 2008	0.854486
Jan 25, 2008	Feb 22, 2008	0.844022
Feb 25, 2008	Mar 24, 2008	0.838991
Mar 25, 2008	Apr 24, 2008	0.831641
Apr 25, 2008	May 23, 2008	0.822482
May 27, 2008	Jun 24, 2008	0.811318
Jun 25, 2008	Jul 24, 2008	0.804825
Jul 25, 2008	Aug 22, 2008	0.798331
Aug 25, 2008	Sep 24, 2008	0.786612
Sep 25, 2008	Oct 24, 2008	0.782831
Oct 27, 2008	Nov 24, 2008	0.777799
Nov 25, 2008	Dec 24, 2008	0.768465
Dec 26, 2008	Jan 23, 2009	0.761160
Jan 26, 2009	Feb 24, 2009	0.754602
Feb 25, 2009	Mar 24, 2009	0.752328
Mar 25, 2009	Apr 24, 2009	0.746743
Apr 27, 2009	May 22, 2009	0.737777
May 26, 2009	Jun 24, 2009	0.727777
Jun 25, 2009	Jul 24, 2009	0.717027
Jul 27, 2009	Aug 24, 2009	0.704803
Aug 25, 2009	Sep 24, 2009	0.699024
Sep 25, 2009	Oct 23, 2009	0.690115
Oct 26, 2009	Nov 24, 2009	0.682063
Nov 25, 2009	Dec 24, 2009	0.671457
Dec 28, 2009	Jan 22, 2010	0.665280
Jan 25, 2010	Feb 24, 2010	0.660213
Feb 25, 2010	Mar 24, 2010	0.648409
Mar 25, 2010	Apr 23, 2010	0.639304
Apr 26, 2010	May 24, 2010	0.631803
May 25, 2010	Jun 24, 2010	0.624794
Jun 25, 2010	Jul 23, 2010	0.618697
Jul 26, 2010	Aug 24, 2010	0.607857
Aug 25, 2010	Sep 24, 2010	0.599486
Sep 27, 2010	Oct 22, 2010	0.594430
Oct 25, 2010	Nov 24, 2010	0.589377
Nov 26, 2010	Dec 23, 2010	0.579507
Dec 27, 2010	Jan 24, 2011	0.567055
Jan 25, 2011	Feb 24, 2011	0.557314
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.547902
Apr 25, 2011	May 24, 2011	0.540545
May 25, 2011	Jun 24, 2011	0.535563
Jun 27, 2011	Jul 22, 2011	0.530787
Jul 25, 2011	Aug 24, 2011	0.523996
70. 25, 2011		0.513701

A2 Certificate Factor Chart

From	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.508595
Sep 26, 2011	Oct 24, 2011	0.505148
Oct 25, 2011	Nov 23, 2011	0.501616
Nov 25, 2011	Dec 23, 2011	0.496274
Dec 27, 2011	Jan 24, 2012	0.489226
Jan 25, 2012	Feb 24, 2012	0.482226
Feb 27, 2012	Mar 23, 2012	0.478069
Mar 26, 2012	Apr 24, 2012	0.474099
Apr 25, 2012	May 24, 2012	0.471298
May 25, 2012	Jun 22, 2012	0.463949
Jun 25, 2012	Jul 24, 2012	0.460396
Jul 25, 2012	Aug 24, 2012	0.452105
Aug 27, 2012	Sep 24, 2012	0.446362
Sep 25, 2012	Oct 24, 2012	0.440909
Oct 25, 2012	Nov 23, 2012	0.437749
Nov 26, 2012	Dec 24, 2012	0.429172
Dec 26, 2012	Jan 24, 2013	0.420349
Jan 25, 2013	Feb 22, 2013	0.416138
Feb 25, 2013	Mar 22, 2013	0.410347
Mar 25, 2013	Apr 24, 2013	0.405622
Apr 25, 2013	May 24, 2013	0.401886
May 28, 2013	Jun 24, 2013	0.396277
Jun 25, 2013	Jul 24, 2013	0.388010
Jul 25, 2013	Aug 23, 2013	0.381412
Aug 26, 2013	Sep 24, 2013	0.376124
Sep 25, 2013	Oct 24, 2013	0.370054
Oct 25, 2013	Nov 22, 2013	0.364789
Nov 25, 2013	Dec 24, 2013	0.360799
Dec 26, 2013	Jan 24, 2014	0.355678
Jan 27, 2014	Feb 24, 2014	0.351050
Feb 25, 2014	Mar 24, 2014	0.347806
Mar 25, 2014	Apr 24, 2014	0.345258
Apr 25, 2014	May 23, 2014	0.342354
May 27, 2014	Jun 24, 2014	0.336192
Jun 25, 2014	Jul 24, 2014	0.333046
Jul 25, 2014	Aug 22, 2014	0.330387
Aug 25, 2014	Sep 24, 2014	0.327393
Sep 25, 2014	Oct 24, 2014	0.323978
Oct 27, 2014	Nov 24, 2014	0.315068
Nov 25, 2014	Dec 24, 2014	0.310217
Dec 26, 2014	Jan 23, 2015	0.306181
Jan 26, 2015	Feb 24, 2015	0.301619
Feb 25, 2015	Mar 24, 2015	0.299364
Mar 25, 2015	Apr 24, 2015	0.294297
Apr 27, 2015	May 22, 2015	0.291561
May 26, 2015	Jun 24, 2015	0.287830
Jun 25, 2015		0.284043

M1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

M1 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	0.970420
Aug 26, 2013	Sep 24, 2013	0.931782
Sep 25, 2013	Oct 24, 2013	0.932131
Oct 25, 2013	Nov 22, 2013	0.952676
Nov 25, 2013	Dec 24, 2013	0.957763
Dec 26, 2013	Jan 24, 2014	0.966652
Jan 27, 2014	Feb 24, 2014	0.969305
Feb 25, 2014	Mar 24, 2014	0.970143
Mar 25, 2014	Apr 24, 2014	0.970581
Apr 25, 2014	May 23, 2014	0.973620
May 27, 2014	Jun 24, 2014	0.959719
Jun 25, 2014	Jul 24, 2014	0.927055
Jul 25, 2014	Aug 22, 2014	0.929440
Aug 25, 2014	Sep 24, 2014	0.930765
Sep 25, 2014	Oct 24, 2014	0.883992
Oct 27, 2014	Nov 24, 2014	0.850220
Nov 25, 2014	Dec 24, 2014	0.764645
Dec 26, 2014	Jan 23, 2015	0.743001
Jan 26, 2015	Feb 24, 2015	0.744092
Feb 25, 2015	Mar 24, 2015	0.714920
Mar 25, 2015	Apr 24, 2015	0.681679
Apr 27, 2015	May 22, 2015	0.682521
May 26, 2015	Jun 24, 2015	0.675642
Jun 25, 2015		0.676002

M2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

M2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	0.428570
Feb 25, 2013	Mar 22, 2013	0.302509
Mar 25, 2013	Apr 24, 2013	0.319809
Apr 25, 2013	May 24, 2013	0.041231
May 28, 2013	Jun 24, 2013	0.029010
Jun 25, 2013	Jul 24, 2013	0.040397
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000
-		

M3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

M3 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	0.676947
Oct 25, 2012	Nov 23, 2012	0.689711
Nov 26, 2012	Dec 24, 2012	0.292489
Dec 26, 2012	Jan 24, 2013	0.215803
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

M4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	0.868555
Aug 27, 2012	Sep 24, 2012	0.510918
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000
i		

M5 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

M5 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	0.986811
Jun 25, 2012	Jul 24, 2012	0.503162
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

M6 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	0.843003
Jul 25, 2011	Aug 24, 2011	0.846229
JUI 23, 2011	1148 27, 2011	0.853181

M6 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.841598
Sep 26, 2011	Oct 24, 2011	0.843281
Oct 25, 2011	Nov 23, 2011	0.843281
Nov 25, 2011	Dec 23, 2011	0.843282
Dec 27, 2011	Jan 24, 2012	0.816127
Jan 25, 2012	Feb 24, 2012	0.553912
Feb 27, 2012	Mar 23, 2012	0.548534
Mar 26, 2012	Apr 24, 2012	0.146821
Apr 25, 2012	May 24, 2012	0.151775
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

B1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	0.953113
Dec 27, 2010	Jan 24, 2011	0.872780
Jan 25, 2011	Feb 24, 2011	0.875688
Feb 25, 2011	Mar 24, 2011	0.341037
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.341913
May 25, 2011	Jun 24, 2011	0.210970
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
JUI 23, 2011	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.000000

B1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

B2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	0.984095
Sep 27, 2010	Oct 22, 2010	0.991602
Oct 25, 2010	Nov 24, 2010	0.824315
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
JUI 23, 2011	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.000000

B2 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.00000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

B3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	0.674125
Nov 25, 2009	Dec 24, 2009	0.674125
Dec 28, 2009	Jan 22, 2010	0.674125
Jan 25, 2010	Feb 24, 2010	0.674125
Feb 25, 2010	Mar 24, 2010	0.674125
Mar 25, 2010	Apr 23, 2010	0.724632
Apr 26, 2010	May 24, 2010	0.724632
May 25, 2010	Jun 24, 2010	0.724632
Jun 25, 2010	Jul 23, 2010	0.724632
Jul 26, 2010	Aug 24, 2010	0.464507
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
JUI 23, 2011	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.000000

B3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

A1A Certificate Factor Chart

From	То	<u>Factor</u>
<u>110111</u>	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.989067
Jun 25, 2007	Jul 24, 2007	0.973769
Jul 25, 2007	Aug 24, 2007	0.958563
Aug 27, 2007	Sep 24, 2007	
Sep 25, 2007	Oct 24, 2007	0.920684
Oct 25, 2007	Nov 23, 2007	0.900113
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	0.888707
Jan 25, 2008	Feb 22, 2008	0.875994
Feb 25, 2008	Mar 24, 2008	0.863836
Mar 25, 2008	Apr 24, 2008	0.850989
Apr 25, 2008	May 23, 2008	0.836073
May 27, 2008	Jun 24, 2008	0.820923
Jun 25, 2008	Jul 24, 2008	0.801011
Jul 25, 2008	Aug 22, 2008	0.788650
Aug 25, 2008	Sep 24, 2008	0.775770
	<u> </u>	0.762919
Sep 25, 2008	Oct 24, 2008	0.752019
Oct 27, 2008	Nov 24, 2008	0.739757
Nov 25, 2008	Dec 24, 2008	0.726767
Dec 26, 2008	Jan 23, 2009	0.711945
Jan 26, 2009	Feb 24, 2009	0.698019
Feb 25, 2009	Mar 24, 2009	0.679017
Mar 25, 2009	Apr 24, 2009	0.666940
Apr 27, 2009	May 22, 2009	0.653668
May 26, 2009	Jun 24, 2009	0.643748
Jun 25, 2009	Jul 24, 2009	0.633078
Jul 27, 2009	Aug 24, 2009	0.625103
Aug 25, 2009	Sep 24, 2009	0.616778
Sep 25, 2009	Oct 23, 2009	0.604121
Oct 26, 2009	Nov 24, 2009	0.594785
Nov 25, 2009	Dec 24, 2009	0.584773
Dec 28, 2009	Jan 22, 2010	0.572535
Jan 25, 2010	Feb 24, 2010	0.562388
Feb 25, 2010	Mar 24, 2010	0.556753
Mar 25, 2010	Apr 23, 2010	0.552529
Apr 26, 2010	May 24, 2010	0.544435
May 25, 2010	Jun 24, 2010	0.538593
Jun 25, 2010	Jul 23, 2010	0.534482
Jul 26, 2010	Aug 24, 2010	0.529819
Aug 25, 2010 Sep 27, 2010	Sep 24, 2010 Oct 22, 2010	0.527610
	•	0.522141
Oct 25, 2010 Nov 26, 2010	Nov 24, 2010 Dec 23, 2010	0.515740
Dec 27, 2010	Jan 24, 2011	0.512415
Jan 25, 2011	Feb 24, 2011	0.506073
Feb 25, 2011	Mar 24, 2011	0.499600
Mar 25, 2011	Apr 22, 2011	0.494421
Apr 25, 2011	May 24, 2011	0.489676
May 25, 2011	Jun 24, 2011	0.485846
Jun 27, 2011	Jul 22, 2011	0.475739
Juli 27, 2011	Jui 22, 2011	0.471933

A1A Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	0.466299
Aug 25, 2011	Sep 23, 2011	0.460827
Sep 26, 2011	Oct 24, 2011	0.455504
Oct 25, 2011	Nov 23, 2011	0.452342
Nov 25, 2011	Dec 23, 2011	0.448798
Dec 27, 2011	Jan 24, 2012	0.446349
Jan 25, 2012	Feb 24, 2012	0.442818
Feb 27, 2012	Mar 23, 2012	0.437995
Mar 26, 2012	Apr 24, 2012	0.434310
Apr 25, 2012	May 24, 2012	0.430137
May 25, 2012	Jun 22, 2012	0.426328
Jun 25, 2012	Jul 24, 2012	0.419684
Jul 25, 2012	Aug 24, 2012	0.416827
Aug 27, 2012	Sep 24, 2012	0.412164
Sep 25, 2012	Oct 24, 2012	0.407056
Oct 25, 2012	Nov 23, 2012	0.402686
Nov 26, 2012	Dec 24, 2012	0.399940
Dec 26, 2012	Jan 24, 2013	0.397447
Jan 25, 2013	Feb 22, 2013	0.393472
Feb 25, 2013	Mar 22, 2013	0.387569
Mar 25, 2013	Apr 24, 2013	0.383862
Apr 25, 2013	May 24, 2013	0.380237
May 28, 2013	Jun 24, 2013	0.377552
Jun 25, 2013	Jul 24, 2013	0.373623
Jul 25, 2013	Aug 23, 2013	0.371147
Aug 26, 2013	Sep 24, 2013	0.367751
Sep 25, 2013	Oct 24, 2013	0.364267
Oct 25, 2013	Nov 22, 2013	0.360299
Nov 25, 2013	Dec 24, 2013	0.357954
Dec 26, 2013	Jan 24, 2014	0.355006
Jan 27, 2014	Feb 24, 2014	0.350452
Feb 25, 2014	Mar 24, 2014	0.345962
Mar 25, 2014	Apr 24, 2014	0.342737
Apr 25, 2014	May 23, 2014	0.341423
May 27, 2014	Jun 24, 2014	0.336917
Jun 25, 2014	Jul 24, 2014	0.331938
Jul 25, 2014	Aug 22, 2014	0.327050
Aug 25, 2014	Sep 24, 2014	0.323671
Sep 25, 2014	Oct 24, 2014	0.320689
Oct 27, 2014	Nov 24, 2014	0.316275
Nov 25, 2014	Dec 24, 2014	0.313951
Dec 26, 2014	Jan 23, 2015	0.311334
Jan 26, 2015	Feb 24, 2015	0.309719
Feb 25, 2015	Mar 24, 2015	0.306777
Mar 25, 2015	Apr 24, 2015	0.304280
Apr 27, 2015	May 22, 2015	0.301205
May 26, 2015	Jun 24, 2015	0.298379
Jun 25, 2015		0.294542

A1B Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.989067
Jun 25, 2007	Jul 24, 2007	0.973769
Jul 25, 2007	Aug 24, 2007	0.958563
Aug 27, 2007	Sep 24, 2007	0.920684
Sep 25, 2007	Oct 24, 2007	0.909794
Oct 25, 2007	Nov 23, 2007	0.900113
Nov 26, 2007	Dec 24, 2007	0.888707
Dec 26, 2007	Jan 24, 2008	0.875994
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	0.863836
Mar 25, 2008	Apr 24, 2008	0.850989 0.836073
Apr 25, 2008	May 23, 2008	
May 27, 2008	Jun 24, 2008	0.820923
Jun 25, 2008	Jul 24, 2008	0.801011
Jul 25, 2008	Aug 22, 2008	0.788650
Aug 25, 2008	Sep 24, 2008	0.775770
Sep 25, 2008	Oct 24, 2008	0.762919
Oct 27, 2008	Nov 24, 2008	0.752019
Nov 25, 2008	Dec 24, 2008	0.739757
Dec 26, 2008	Jan 23, 2009	0.739757
Jan 26, 2009	Feb 24, 2009	0.739757
Feb 25, 2009	Mar 24, 2009	0.739757
Mar 25, 2009	Apr 24, 2009	0.739757
		0.739757
Apr 27, 2009	May 22, 2009 Jun 24, 2009	0.739757
May 26, 2009		0.739757
Jun 25, 2009	Jul 24, 2009	0.739757
Jul 27, 2009	Aug 24, 2009 Sep 24, 2009	0.739757
Aug 25, 2009		0.739757
Sep 25, 2009 Oct 26, 2009	Oct 23, 2009 Nov 24, 2009	0.739757
Nov 25, 2009	Dec 24, 2009	0.739757
Dec 28, 2009	Jan 22, 2010	0.739757
Jan 25, 2010	Feb 24, 2010	0.739757
Feb 25, 2010	Mar 24, 2010	0.739757
Mar 25, 2010	Apr 23, 2010	0.739757
Apr 26, 2010	May 24, 2010	0.739757
May 25, 2010	Jun 24, 2010	0.739757 0.739757
Jun 25, 2010	Jul 23, 2010	0.739757
Jul 26, 2010	Aug 24, 2010	0.739757
Aug 25, 2010	Sep 24, 2010	0.739757
Sep 27, 2010	Oct 22, 2010	0.739757
Oct 25, 2010	Nov 24, 2010	0.739757
Nov 26, 2010	Dec 23, 2010	0.739757
Dec 27, 2010	Jan 24, 2011	0.739757
Jan 25, 2011	Feb 24, 2011	0.739757
Feb 25, 2011	Mar 24, 2011	0.739757
Mar 25, 2011	Apr 22, 2011	0.739757
Apr 25, 2011	May 24, 2011	0.739757
May 25, 2011	Jun 24, 2011	0.739757
Jun 27, 2011	Jul 22, 2011	0.739757

A1B Certificate Factor Chart

From	То	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	0.739757
Aug 25, 2011	Sep 23, 2011	0.739757
Sep 26, 2011	Oct 24, 2011	0.739757
Oct 25, 2011	Nov 23, 2011	0.739757
Nov 25, 2011	Dec 23, 2011	0.739757
Dec 27, 2011	Jan 24, 2012	0.739757
Jan 25, 2012	Feb 24, 2012	0.739757
Feb 27, 2012	Mar 23, 2012	0.739757
Mar 26, 2012	Apr 24, 2012	0.739757
Apr 25, 2012	May 24, 2012	0.739757
May 25, 2012	Jun 22, 2012	0.739757
Jun 25, 2012	Jul 24, 2012	0.739757
Jul 25, 2012	Aug 24, 2012	0.739757
Aug 27, 2012	Sep 24, 2012	0.739757
Sep 25, 2012	Oct 24, 2012	0.739757
Oct 25, 2012	Nov 23, 2012	0.739757
Nov 26, 2012	Dec 24, 2012	0.739757
Dec 26, 2012	Jan 24, 2013	0.739757
Jan 25, 2013	Feb 22, 2013	0.739757
Feb 25, 2013	Mar 22, 2013	0.739757
Mar 25, 2013	Apr 24, 2013	0.739757
Apr 25, 2013	May 24, 2013	0.739757
May 28, 2013	Jun 24, 2013	0.739757
Jun 25, 2013	Jul 24, 2013	0.739757
Jul 25, 2013	Aug 23, 2013	0.739757
Aug 26, 2013	Sep 24, 2013	0.739757
Sep 25, 2013	Oct 24, 2013	0.739757
Oct 25, 2013	Nov 22, 2013	0.739757
Nov 25, 2013	Dec 24, 2013	0.739757
Dec 26, 2013	Jan 24, 2014	0.739757
Jan 27, 2014	Feb 24, 2014	0.739757
Feb 25, 2014	Mar 24, 2014	0.739757
Mar 25, 2014	Apr 24, 2014	0.739757
Apr 25, 2014	May 23, 2014	0.739757
May 27, 2014	Jun 24, 2014	0.739757
Jun 25, 2014	Jul 24, 2014	0.739757
Jul 25, 2014	Aug 22, 2014	0.739757
Aug 25, 2014	Sep 24, 2014	0.739757
Sep 25, 2014	Oct 24, 2014	0.739757
Oct 27, 2014	Nov 24, 2014	0.739757
Nov 25, 2014	Dec 24, 2014	0.739757
Dec 26, 2014	Jan 23, 2015	0.739757
Jan 26, 2015	Feb 24, 2015	0.739757
Feb 25, 2015	Mar 24, 2015	0.739757
Mar 25, 2015	Apr 24, 2015	0.739757
Apr 27, 2015	May 22, 2015	0.739757
May 26, 2015	Jun 24, 2015	0.739757
Jun 25, 2015		0.739757
·	·	·

A2 Certificate Factor Chart

From	То	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.978618
Jun 25, 2007	Jul 24, 2007	0.958882
Jul 25, 2007	Aug 24, 2007	0.927749
Aug 27, 2007	Sep 24, 2007	0.860050
Sep 25, 2007	Oct 24, 2007	
Oct 25, 2007	Nov 23, 2007	0.841113
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	0.791082
Jan 25, 2008	Feb 22, 2008	0.771120
Feb 25, 2008	Mar 24, 2008	0.741391
Mar 25, 2008	Apr 24, 2008	0.719927
Apr 25, 2008	May 23, 2008	0.699982
May 27, 2008	Jun 24, 2008	0.680199
Jun 25, 2008	Jul 24, 2008	0.662761
Jul 25, 2008	Aug 22, 2008	0.643782
Aug 25, 2008	Sep 24, 2008	0.616815
Sep 25, 2008	Oct 24, 2008	0.599544
Oct 27, 2008	Nov 24, 2008	0.587863
Nov 25, 2008	Dec 24, 2008	0.566645
	<u> </u>	0.546161
Dec 26, 2008	Jan 23, 2009	0.530257
Jan 26, 2009	Feb 24, 2009	0.508444
Feb 25, 2009	Mar 24, 2009	0.490801
Mar 25, 2009	Apr 24, 2009	0.472823
Apr 27, 2009	May 22, 2009	0.456965
May 26, 2009	Jun 24, 2009	0.438775
Jun 25, 2009	Jul 24, 2009	0.422386
Jul 27, 2009	Aug 24, 2009	0.404295
Aug 25, 2009	Sep 24, 2009	0.388962
Sep 25, 2009	Oct 23, 2009	0.375418
Oct 26, 2009	Nov 24, 2009	0.360481
Nov 25, 2009	Dec 24, 2009	0.351279
Dec 28, 2009	Jan 22, 2010	0.334157
Jan 25, 2010 Feb 25, 2010	Feb 24, 2010	0.321636
Mar 25, 2010	Mar 24, 2010 Apr 23, 2010	0.310417
Apr 26, 2010	May 24, 2010	0.300083
May 25, 2010	Jun 24, 2010	0.290321
Jun 25, 2010	Jul 23, 2010	0.280416
Jul 26, 2010	Aug 24, 2010	0.268029
Aug 25, 2010	Sep 24, 2010	0.257145
Sep 27, 2010	Oct 22, 2010	0.248575
Oct 25, 2010	Nov 24, 2010	0.233759
Nov 26, 2010	Dec 23, 2010	0.218201
Dec 27, 2010	Jan 24, 2011	0.210452
Jan 25, 2011	Feb 24, 2011	0.201856
Feb 25, 2011	Mar 24, 2011	0.192399
Mar 25, 2011	Apr 22, 2011	0.184691
Apr 25, 2011	May 24, 2011	0.172724
May 25, 2011	Jun 24, 2011	0.167823
Jun 27, 2011	Jul 22, 2011	0.159282

A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	0.147694
Aug 25, 2011	Sep 23, 2011	0.141749
Sep 26, 2011	Oct 24, 2011	0.135830
Oct 25, 2011	Nov 23, 2011	0.126863
Nov 25, 2011	Dec 23, 2011	0.119873
Dec 27, 2011	Jan 24, 2012	0.110915
Jan 25, 2012	Feb 24, 2012	0.104943
Feb 27, 2012	Mar 23, 2012	0.098260
Mar 26, 2012	Apr 24, 2012	0.092963
Apr 25, 2012	May 24, 2012	0.087936
May 25, 2012	Jun 22, 2012	0.083751
Jun 25, 2012	Jul 24, 2012	0.077751
Jul 25, 2012	Aug 24, 2012	0.070775
Aug 27, 2012	Sep 24, 2012	0.065632
Sep 25, 2012	Oct 24, 2012	0.061795
Oct 25, 2012	Nov 23, 2012	0.055608
Nov 26, 2012	Dec 24, 2012	0.044535
Dec 26, 2012	Jan 24, 2013	0.037365
Jan 25, 2013	Feb 22, 2013	0.030465
Feb 25, 2013	Mar 22, 2013	0.027607
Mar 25, 2013	Apr 24, 2013	0.021472
Apr 25, 2013	May 24, 2013	0.013345
May 28, 2013	Jun 24, 2013	0.007922
Jun 25, 2013	Jul 24, 2013	0.000468
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

A3 Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
<u> </u>	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
	•	1.000000
Apr 27, 2009	May 22, 2009 Jun 24, 2009	1.000000
May 26, 2009		1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009 Aug 25, 2009	Aug 24, 2009	1.000000
Sep 25, 2009	Sep 24, 2009 Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

A3 Certificate Factor Chart

From	To	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	0.975900
Aug 26, 2013	Sep 24, 2013	0.956112
Sep 25, 2013	Oct 24, 2013	0.929905
Oct 25, 2013	Nov 22, 2013	0.909902
Nov 25, 2013	Dec 24, 2013	0.877627
Dec 26, 2013	Jan 24, 2014	0.854099
Jan 27, 2014	Feb 24, 2014	0.834712
Feb 25, 2014	Mar 24, 2014	0.822995
Mar 25, 2014	Apr 24, 2014	0.806677
Apr 25, 2014	May 23, 2014	0.780953
May 27, 2014	Jun 24, 2014	0.752690
Jun 25, 2014	Jul 24, 2014	0.726888
Jul 25, 2014	Aug 22, 2014	0.710042
Aug 25, 2014	Sep 24, 2014	0.679439
Sep 25, 2014	Oct 24, 2014	0.652231
Oct 27, 2014	Nov 24, 2014	0.630867
Nov 25, 2014	Dec 24, 2014	0.610123
Dec 26, 2014	Jan 23, 2015	0.593364
Jan 26, 2015	Feb 24, 2015	0.570263
Feb 25, 2015	Mar 24, 2015	0.556304
Mar 25, 2015	Apr 24, 2015	0.547570
Apr 27, 2015	May 22, 2015	0.526882
May 26, 2015	Jun 24, 2015	0.502460
Jun 25, 2015		0.484480

A4 Certificate Factor Chart

From	То	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
·	·	

A4 Certificate Factor Chart

From	To	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

A5 Certificate Factor Chart

_	_	
<u>From</u>	<u>To</u> May 24, 2007	<u>Factor</u>
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
	Mar 24, 2008	1.000000
Feb 25, 2008		1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
		

A5 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M1 Certificate Factor Chart

From	То	<u>Factor</u>
<u>110111</u>	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
·		1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010 Dec 27, 2010	Dec 23, 2010 Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
·	-	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

M1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M2 Certificate Factor Chart

From	То	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
·	·	

M2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

М3	Certificate	Factor	Chart

<u>From</u>	То	<u>Factor</u>
<u> </u>	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
	•	1.000000
Apr 27, 2009	May 22, 2009 Jun 24, 2009	1.000000
May 26, 2009		1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009 Aug 25, 2009	Aug 24, 2009	1.000000
Sep 25, 2009	Sep 24, 2009 Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

M3 Certificate Factor Chart

From	To	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

M4 Certificate Factor Chart

From	To	Factor
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	0.994979
Oct 27, 2014	Nov 24, 2014	0.829888
Nov 25, 2014	Dec 24, 2014	0.795648
Dec 26, 2014	Jan 23, 2015	0.719039
Jan 26, 2015	Feb 24, 2015	0.627690
Feb 25, 2015	Mar 24, 2015	0.528010
Mar 25, 2015	Apr 24, 2015	0.374955
Apr 27, 2015	May 22, 2015	0.303721
May 26, 2015	Jun 24, 2015	0.302270
Jun 25, 2015		0.239237

M5 Certificate Factor Chart

From	То	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
·	·	

M5 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	0.894424
Jun 25, 2013	Jul 24, 2013	0.753793
Jul 25, 2013	Aug 23, 2013	0.753793
Aug 26, 2013	Sep 24, 2013	0.753793
Sep 25, 2013	Oct 24, 2013	0.753793
Oct 25, 2013	Nov 22, 2013	0.753793
Nov 25, 2013	Dec 24, 2013	0.691356
Dec 26, 2013	Jan 24, 2014	0.688022
Jan 27, 2014	Feb 24, 2014	0.616184
Feb 25, 2014	Mar 24, 2014	0.466836
Mar 25, 2014	Apr 24, 2014	0.342085
Apr 25, 2014	May 23, 2014	0.226380
May 27, 2014	Jun 24, 2014	0.220592
Jun 25, 2014	Jul 24, 2014	0.152803
Jul 25, 2014	Aug 22, 2014	0.085541
Aug 25, 2014	Sep 24, 2014	0.000822
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

JP Morgan Mortgage Acquisition Trust 2007-CH3
M6 Certificate Factor Chart

_	_	
<u>From</u>	<u>To</u> May 24, 2007	<u>Factor</u>
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
-	•	1.000000
Mar 25, 2008 Apr 25, 2008	Apr 24, 2008 May 23, 2008	1.000000
	Jun 24, 2008	1.000000
May 27, 2008	<u> </u>	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

M6 Certificate Factor Chart

From	To	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	0.899455
Nov 26, 2012	Dec 24, 2012	0.686797
Dec 26, 2012	Jan 24, 2013	0.549600
Jan 25, 2013	Feb 22, 2013	0.409609
Feb 25, 2013	Mar 22, 2013	0.236546
Mar 25, 2013	Apr 24, 2013	0.207940
Apr 25, 2013	May 24, 2013	0.060819
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

M7 Certificate Factor Chart

From	То	Factor
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007		1.000000
	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

M7 Certificate Factor Chart

From	To	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	0.857281
Jun 25, 2012	Jul 24, 2012	0.595959
Jul 25, 2012	Aug 24, 2012	0.347901
Aug 27, 2012	Sep 24, 2012	0.086442
Sep 25, 2012	Oct 24, 2012	0.033968
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

JP Morgan Mortgage Acquisition Trust 2007-CH3

M8 Certificate Factor Chart

From	То	<u>Factor</u>
<u> </u>	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	-	1.000000
·	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010 May 25, 2010	May 24, 2010 Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
	,+-	1.000000

JP Morgan Mortgage Acquisition Trust 2007-CH3

M8 Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	0.924817
Jan 25, 2012	Feb 24, 2012	0.853802
Feb 27, 2012	Mar 23, 2012	0.669839
Mar 26, 2012	Apr 24, 2012	0.375279
Apr 25, 2012	May 24, 2012	0.055549
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

JP Morgan Mortgage Acquisition Trust 2007-CH3
M9 Certificate Factor Chart

_	_	
<u>From</u>	<u>To</u> May 24, 2007	<u>Factor</u>
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
-	•	1.000000
Mar 25, 2008	Apr 24, 2008 May 23, 2008	1.000000
Apr 25, 2008	Jun 24, 2008	1.000000
May 27, 2008	<u> </u>	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	0.968602
Feb 25, 2011	Mar 24, 2011	0.955803
Mar 25, 2011	Apr 22, 2011	0.885916
Apr 25, 2011	May 24, 2011	0.787124
May 25, 2011	Jun 24, 2011	0.700990
Jun 27, 2011	Jul 22, 2011	0.626152

M9 Certificate Factor Chart

From	To	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	0.499786
Aug 25, 2011	Sep 23, 2011	0.300987
Sep 26, 2011	Oct 24, 2011	0.218850
Oct 25, 2011	Nov 23, 2011	0.128751
Nov 25, 2011	Dec 23, 2011	0.128751
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.984948
Jul 25, 2007	Aug 24, 2007	0.972290
Aug 27, 2007	Sep 24, 2007	0.955749
Sep 25, 2007	Oct 24, 2007	0.947091
Oct 25, 2007	Nov 23, 2007	0.932569
Nov 26, 2007	Dec 24, 2007	0.913210
Dec 26, 2007	Jan 24, 2008	0.899960
Jan 25, 2008	Feb 22, 2008	0.891115
Feb 25, 2008	Mar 24, 2008	0.873975
Mar 25, 2008	Apr 24, 2008	0.855369
Apr 25, 2008	May 23, 2008	0.837870
May 27, 2008	Jun 24, 2008	0.823822
Jun 25, 2008	Jul 24, 2008	0.811533
Jul 25, 2008	Aug 22, 2008	0.797336
Aug 25, 2008	Sep 24, 2008	0.786586
Sep 25, 2008	Oct 24, 2008	0.780688
Oct 27, 2008	Nov 24, 2008	0.769453
Nov 25, 2008	Dec 24, 2008	0.756847
Dec 26, 2008	Jan 23, 2009	0.744209
Jan 26, 2009	Feb 24, 2009	0.732090
Feb 25, 2009	Mar 24, 2009	0.719931
Mar 25, 2009	Apr 24, 2009	0.706871
Apr 27, 2009	May 22, 2009	0.697166
May 26, 2009	Jun 24, 2009	0.685548
Jun 25, 2009	Jul 24, 2009	0.675484
Jul 27, 2009	Aug 24, 2009	0.667202
Aug 25, 2009	Sep 24, 2009	0.653397
Sep 25, 2009	Oct 23, 2009	0.642294
Oct 26, 2009	Nov 24, 2009	0.633212
Nov 25, 2009	Dec 24, 2009	0.624454
Dec 28, 2009	Jan 22, 2010	0.615100
Jan 25, 2010	Feb 24, 2010	0.608140
Feb 25, 2010	Mar 24, 2010	0.602883
Mar 25, 2010	Apr 23, 2010	0.597347
Apr 26, 2010	May 24, 2010	0.593078
May 25, 2010	Jun 24, 2010	0.584893
Jun 25, 2010	Jul 23, 2010	0.575289
Jul 26, 2010	Aug 24, 2010	0.568013
Aug 25, 2010	Sep 24, 2010	0.561901
Sep 27, 2010	Oct 22, 2010	0.555084
Oct 25, 2010	Nov 24, 2010	0.549079
Nov 26, 2010	Dec 23, 2010	0.543889
Dec 27, 2010	Jan 24, 2011	0.536117
Jan 25, 2011	Feb 24, 2011	0.528940
Feb 25, 2011	Mar 24, 2011	0.524009
Mar 25, 2011	Apr 22, 2011	0.519268
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.513688
Jun 27, 2011	Jul 22, 2011	0.510622
Jul 25, 2011	Aug 24, 2011	0.505701
Jul 23, 2011	7ug 27, 2011	0.500778

A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.495729
Sep 26, 2011	Oct 24, 2011	0.491406
Oct 25, 2011	Nov 23, 2011	0.488629
Nov 25, 2011	Dec 23, 2011	0.485343
Dec 27, 2011	Jan 24, 2012	0.482744
Jan 25, 2012	Feb 24, 2012	0.478754
Feb 27, 2012	Mar 23, 2012	0.472598
Mar 26, 2012	Apr 24, 2012	0.469049
Apr 25, 2012	May 24, 2012	0.465077
May 25, 2012	Jun 22, 2012	0.459168
Jun 25, 2012	Jul 24, 2012	0.455562
Jul 25, 2012	Aug 24, 2012	0.451129
Aug 27, 2012	Sep 24, 2012	0.446784
Sep 25, 2012	Oct 24, 2012	0.441778
Oct 25, 2012	Nov 23, 2012	0.439128
Nov 26, 2012	Dec 24, 2012	0.436632
Dec 26, 2012	Jan 24, 2013	0.433975
Jan 25, 2013	Feb 22, 2013	0.430457
Feb 25, 2013	Mar 22, 2013	0.427302
Mar 25, 2013	Apr 24, 2013	0.420941
Apr 25, 2013	May 24, 2013	0.416906
May 28, 2013	Jun 24, 2013	0.412154
Jun 25, 2013	Jul 24, 2013	0.407519
Jul 25, 2013	Aug 23, 2013	0.403090
Aug 26, 2013	Sep 24, 2013	0.398412
Sep 25, 2013	Oct 24, 2013	0.394353
Oct 25, 2013	Nov 22, 2013	0.390154
Nov 25, 2013	Dec 24, 2013	0.383992
Dec 26, 2013	Jan 24, 2014	0.380241
Jan 27, 2014	Feb 24, 2014	0.377177
Feb 25, 2014	Mar 24, 2014	0.372554
Mar 25, 2014	Apr 24, 2014	0.369477
Apr 25, 2014	May 23, 2014	0.364207
May 27, 2014	Jun 24, 2014	0.361660
Jun 25, 2014	Jul 24, 2014	0.357475
Jul 25, 2014	Aug 22, 2014	0.353311
Aug 25, 2014	Sep 24, 2014	0.349846
Sep 25, 2014	Oct 24, 2014	0.348093
Oct 27, 2014	Nov 24, 2014	0.345181
Nov 25, 2014	Dec 24, 2014	0.341652
Dec 26, 2014	Jan 23, 2015	0.336455
Jan 26, 2015	Feb 24, 2015	0.331643
Feb 25, 2015	Mar 24, 2015	0.330215
Mar 25, 2015	Apr 24, 2015	0.328452
Apr 27, 2015	May 22, 2015	0.326232
May 26, 2015	Jun 24, 2015	0.323140
Jun 25, 2015		0.320752

A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.970026
Jul 25, 2007	Aug 24, 2007	0.949291
Aug 27, 2007	Sep 24, 2007	0.932700
Sep 25, 2007	Oct 24, 2007	0.915738
Oct 25, 2007	Nov 23, 2007	0.900879
Nov 26, 2007	Dec 24, 2007	0.860818
Dec 26, 2007	Jan 24, 2008	0.839868
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	0.807190
Mar 25, 2008	Apr 24, 2008	0.783091
Apr 25, 2008	May 23, 2008	0.766187
May 27, 2008	Jun 24, 2008	0.744230
Jun 25, 2008	Jul 24, 2008	0.726322
Jul 25, 2008	Aug 22, 2008	0.709794
	-	0.685393
Aug 25, 2008	Sep 24, 2008	0.667272
Sep 25, 2008	Oct 24, 2008	0.649857
Oct 27, 2008	Nov 24, 2008	0.635446
Nov 25, 2008	Dec 24, 2008	0.613790
Dec 26, 2008	Jan 23, 2009	0.593954
Jan 26, 2009	Feb 24, 2009	0.576263
Feb 25, 2009	Mar 24, 2009	0.557117
Mar 25, 2009	Apr 24, 2009	0.537885
Apr 27, 2009	May 22, 2009	0.514172
May 26, 2009	Jun 24, 2009	0.499614
Jun 25, 2009	Jul 24, 2009	0.479257
Jul 27, 2009	Aug 24, 2009	0.460524
Aug 25, 2009	Sep 24, 2009	0.443187
Sep 25, 2009	Oct 23, 2009	0.429611
Oct 26, 2009	Nov 24, 2009	0.416302
Nov 25, 2009	Dec 24, 2009	0.403134
Dec 28, 2009	Jan 22, 2010	0.389090
Jan 25, 2010	Feb 24, 2010	0.368853
Feb 25, 2010	Mar 24, 2010	0.356065
Mar 25, 2010	Apr 23, 2010	0.343128
Apr 26, 2010	May 24, 2010	0.331851
May 25, 2010	Jun 24, 2010	0.324563
Jun 25, 2010	Jul 23, 2010	0.322464
Jul 26, 2010	Aug 24, 2010	0.313795
Aug 25, 2010	Sep 24, 2010	0.306577
Sep 27, 2010	Oct 22, 2010	0.301914
Oct 25, 2010	Nov 24, 2010	0.294099
Nov 26, 2010	Dec 23, 2010	0.282157
Dec 27, 2010	Jan 24, 2011	0.275989
Jan 25, 2011	Feb 24, 2011	0.267090
Feb 25, 2011	Mar 24, 2011	0.258190
Mar 25, 2011	Apr 22, 2011	0.247630
Apr 25, 2011	May 24, 2011	0.240256
May 25, 2011	Jun 24, 2011	0.232233
Jun 27, 2011	Jul 22, 2011	0.221869
Jul 25, 2011	Aug 24, 2011	0.211494

A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.204945
Sep 26, 2011	Oct 24, 2011	0.200120
Oct 25, 2011	Nov 23, 2011	0.192117
Nov 25, 2011	Dec 23, 2011	0.185497
Dec 27, 2011	Jan 24, 2012	0.178886
Jan 25, 2012	Feb 24, 2012	0.170913
Feb 27, 2012	Mar 23, 2012	0.164561
Mar 26, 2012	Apr 24, 2012	0.156897
Apr 25, 2012	May 24, 2012	0.154381
May 25, 2012	Jun 22, 2012	0.146849
Jun 25, 2012	Jul 24, 2012	0.142198
Jul 25, 2012	Aug 24, 2012	0.134575
Aug 27, 2012	Sep 24, 2012	0.127521
Sep 25, 2012	Oct 24, 2012	0.119906
Oct 25, 2012	Nov 23, 2012	0.110747
Nov 26, 2012	Dec 24, 2012	0.106044
Dec 26, 2012	Jan 24, 2013	0.099577
Jan 25, 2013	Feb 22, 2013	0.094540
Feb 25, 2013	Mar 22, 2013	0.084597
Mar 25, 2013	Apr 24, 2013	0.081927
Apr 25, 2013	May 24, 2013	0.073861
May 28, 2013	Jun 24, 2013	0.066479
Jun 25, 2013	Jul 24, 2013	0.062039
Jul 25, 2013	Aug 23, 2013	0.056747
Aug 26, 2013	Sep 24, 2013	0.051329
Sep 25, 2013	Oct 24, 2013	0.045457
Oct 25, 2013	Nov 22, 2013	0.040511
Nov 25, 2013	Dec 24, 2013	0.031004
Dec 26, 2013	Jan 24, 2014	0.026152
Jan 27, 2014	Feb 24, 2014	0.020322
Feb 25, 2014	Mar 24, 2014	0.014478
Mar 25, 2014	Apr 24, 2014	0.010894
Apr 25, 2014	May 23, 2014	0.003812
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000
		·

A3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

A3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	0.959497
Jun 25, 2014	Jul 24, 2014	0.929489
Jul 25, 2014	Aug 22, 2014	0.893739
Aug 25, 2014	Sep 24, 2014	0.865142
Sep 25, 2014	Oct 24, 2014	0.833011
Oct 27, 2014	Nov 24, 2014	0.787402
Nov 25, 2014	Dec 24, 2014	0.754637
Dec 26, 2014	Jan 23, 2015	0.736300
Jan 26, 2015	Feb 24, 2015	0.710298
Feb 25, 2015	Mar 24, 2015	0.682261
Mar 25, 2015	Apr 24, 2015	0.661312
Apr 27, 2015	May 22, 2015	0.615378
May 26, 2015	Jun 24, 2015	0.587911
Jun 25, 2015		0.546519

A4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
		1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009 Sep 25, 2009	Sep 24, 2009 Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

A4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

A5 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
		1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Jul 2J, 2U11	7ug 24, 2011	1.000000

A5 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M1 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M2 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M3 Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M3 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

M4 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	0.871524
Feb 25, 2015	Mar 24, 2015	0.801848
Mar 25, 2015	Apr 24, 2015	0.703790
Apr 27, 2015	May 22, 2015	0.571635
May 26, 2015	Jun 24, 2015	0.419017
Jun 25, 2015		0.396520

M5 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

M5 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.00000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	0.903823
Apr 25, 2014	May 23, 2014	0.688539
May 27, 2014	Jun 24, 2014	0.595312
Jun 25, 2014	Jul 24, 2014	0.498708
Jul 25, 2014	Aug 22, 2014	0.498708
Aug 25, 2014	Sep 24, 2014	0.428635
Sep 25, 2014	Oct 24, 2014	0.402787
Oct 27, 2014	Nov 24, 2014	0.300506
Nov 25, 2014	Dec 24, 2014	0.118890
Dec 26, 2014	Jan 23, 2015	0.009059
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

M6 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1148 27, 2011	1.000000

M6 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	0.781815
May 28, 2013	Jun 24, 2013	0.616220
Jun 25, 2013	Jul 24, 2013	0.478748
Jul 25, 2013	Aug 23, 2013	0.466040
Aug 26, 2013	Sep 24, 2013	0.420948
Sep 25, 2013	Oct 24, 2013	0.420948
Oct 25, 2013	Nov 22, 2013	0.420948
Nov 25, 2013	Dec 24, 2013	0.344390
Dec 26, 2013	Jan 24, 2014	0.344390
Jan 27, 2014	Feb 24, 2014	0.147929
Feb 25, 2014	Mar 24, 2014	0.023965
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

M7 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

M7 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	0.961639
Sep 25, 2012	Oct 24, 2012	0.810100
Oct 25, 2012	Nov 23, 2012	0.689423
Nov 26, 2012	Dec 24, 2012	0.540164
Dec 26, 2012	Jan 24, 2013	0.429958
Jan 25, 2013	Feb 22, 2013	0.240440
Feb 25, 2013	Mar 22, 2013	0.174614
Mar 25, 2013	Apr 24, 2013	0.073166
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

M8 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M8 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	0.956612
Jun 25, 2012	Jul 24, 2012	0.499963
Jul 25, 2012	Aug 24, 2012	0.287206
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

M9 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	0.971412
Oct 25, 2010	Nov 24, 2010	0.971412
Nov 26, 2010	Dec 23, 2010	0.971412
Dec 27, 2010	Jan 24, 2011	0.937284
Jan 25, 2011	Feb 24, 2011	0.896459
Feb 25, 2011	Mar 24, 2011	0.896459
Mar 25, 2011	Apr 22, 2011	0.896459
Apr 25, 2011	May 24, 2011	0.896459
May 25, 2011	Jun 24, 2011	0.896459
Jun 27, 2011	Jul 22, 2011	0.896459
Jul 25, 2011	Aug 24, 2011	0.896459

M9 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.896459
Sep 26, 2011	Oct 24, 2011	0.870642
Oct 25, 2011	Nov 23, 2011	0.726979
Nov 25, 2011	Dec 23, 2011	0.668793
Dec 27, 2011	Jan 24, 2012	0.606285
Jan 25, 2012	Feb 24, 2012	0.500541
Feb 27, 2012	Mar 23, 2012	0.403072
Mar 26, 2012	Apr 24, 2012	0.225064
Apr 25, 2012	May 24, 2012	0.069778
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

A1 Certificate Factor Chart

From	То	<u>Factor</u>
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	0.978116
Aug 27, 2007	Sep 24, 2007	0.970799
Sep 25, 2007	Oct 24, 2007	0.957969
Oct 25, 2007	Nov 23, 2007	0.949065
Nov 26, 2007	Dec 24, 2007	0.891646
Dec 26, 2007	Jan 24, 2008	0.881076
Jan 25, 2008	Feb 22, 2008	0.867718
Feb 25, 2008	Mar 24, 2008	0.853481
Mar 25, 2008	Apr 24, 2008	0.838813
Apr 25, 2008	May 23, 2008	0.821951
May 27, 2008	Jun 24, 2008	0.804565
Jun 25, 2008	Jul 24, 2008	0.788306
Jul 25, 2008	Aug 22, 2008	0.777111
Aug 25, 2008	Sep 24, 2008	0.770964
Sep 25, 2008	Oct 24, 2008	0.758468
Oct 27, 2008	Nov 24, 2008	0.751982
Nov 25, 2008	Dec 24, 2008	0.740655
Dec 26, 2008	Jan 23, 2009	0.735884
Jan 26, 2009	Feb 24, 2009	0.726848
Feb 25, 2009	Mar 24, 2009	0.719130
Mar 25, 2009	Apr 24, 2009	0.710440
Apr 27, 2009	May 22, 2009	0.702834
May 26, 2009	Jun 24, 2009	0.693624
Jun 25, 2009	Jul 24, 2009	0.685508
Jul 27, 2009	Aug 24, 2009	0.673562
Aug 25, 2009	Sep 24, 2009	0.659950
Sep 25, 2009	Oct 23, 2009	0.646570
Oct 26, 2009	Nov 24, 2009	0.637271
Nov 25, 2009	Dec 24, 2009	0.624208
Dec 28, 2009	Jan 22, 2010	0.618073
Jan 25, 2010	Feb 24, 2010	0.610837
Feb 25, 2010	Mar 24, 2010	0.602052
Mar 25, 2010	Apr 23, 2010	0.595288
Apr 26, 2010	May 24, 2010	0.595288
May 25, 2010	Jun 24, 2010	0.592797
Jun 25, 2010	Jul 23, 2010	0.583433
Jul 26, 2010	Aug 24, 2010	0.575852
Aug 25, 2010 Sep 27, 2010	Sep 24, 2010 Oct 22, 2010	0.567533
Oct 25, 2010	Nov 24, 2010	0.561684
Nov 26, 2010	Dec 23, 2010	0.555012
Dec 27, 2010	Jan 24, 2011	0.547967
Jan 25, 2011	Feb 24, 2011	0.543276
Feb 25, 2011	Mar 24, 2011	0.539815
Mar 25, 2011	Apr 22, 2011	0.536780
Apr 25, 2011	May 24, 2011	0.531351 0.524919
May 25, 2011	Jun 24, 2011	0.524919
Jun 27, 2011	Jul 22, 2011	0.517893
Jul 25, 2011	Aug 24, 2011	0.509092
-		3.303032

A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.503243
Sep 26, 2011	Oct 24, 2011	0.500017
Oct 25, 2011	Nov 23, 2011	0.494974
Nov 25, 2011	Dec 23, 2011	0.492997
Dec 27, 2011	Jan 24, 2012	0.491088
Jan 25, 2012	Feb 24, 2012	0.486300
Feb 27, 2012	Mar 23, 2012	0.484253
Mar 26, 2012	Apr 24, 2012	0.479902
Apr 25, 2012	May 24, 2012	0.476490
May 25, 2012	Jun 22, 2012	0.472116
Jun 25, 2012	Jul 24, 2012	0.468472
Jul 25, 2012	Aug 24, 2012	0.465611
Aug 27, 2012	Sep 24, 2012	0.462863
Sep 25, 2012	Oct 24, 2012	0.457833
Oct 25, 2012	Nov 23, 2012	0.454042
Nov 26, 2012	Dec 24, 2012	0.452773
Dec 26, 2012	Jan 24, 2013	0.451283
Jan 25, 2013	Feb 22, 2013	0.445782
Feb 25, 2013	Mar 22, 2013	0.441440
Mar 25, 2013	Apr 24, 2013	0.439424
Apr 25, 2013	May 24, 2013	0.437644
May 28, 2013	Jun 24, 2013	0.433601
Jun 25, 2013	Jul 24, 2013	0.429836
Jul 25, 2013	Aug 23, 2013	0.426020
Aug 26, 2013	Sep 24, 2013	0.423155
Sep 25, 2013	Oct 24, 2013	0.421095
Oct 25, 2013	Nov 22, 2013	0.419627
Nov 25, 2013	Dec 24, 2013	0.414328
Dec 26, 2013	Jan 24, 2014	0.409562
Jan 27, 2014	Feb 24, 2014	0.407491
Feb 25, 2014	Mar 24, 2014	0.404989
Mar 25, 2014	Apr 24, 2014	0.403042
Apr 25, 2014	May 23, 2014	0.398379
May 27, 2014	Jun 24, 2014	0.395083
Jun 25, 2014	Jul 24, 2014	0.391331
Jul 25, 2014	Aug 22, 2014	0.389482
Aug 25, 2014	Sep 24, 2014	0.386176
Sep 25, 2014	Oct 24, 2014	0.384243
Oct 27, 2014	Nov 24, 2014	0.381288
Nov 25, 2014	Dec 24, 2014	0.379451
Dec 26, 2014	Jan 23, 2015	0.375272
Jan 26, 2015	Feb 24, 2015	0.372302
Feb 25, 2015	Mar 24, 2015	0.367979
Mar 25, 2015	Apr 24, 2015	0.364699
Apr 27, 2015	May 22, 2015	0.360228
May 26, 2015	Jun 24, 2015	0.358111
Jun 25, 2015		0.355768

A2 Certificate Factor Chart

From	То	<u>Factor</u>
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	0.974317
Aug 27, 2007	Sep 24, 2007	0.946438
Sep 25, 2007	Oct 24, 2007	0.933618
Oct 25, 2007	Nov 23, 2007	0.923061
Nov 26, 2007	Dec 24, 2007	0.803047
Dec 26, 2007	Jan 24, 2008	0.791298
Jan 25, 2008	Feb 22, 2008	0.771232
Feb 25, 2008	Mar 24, 2008	0.758257
Mar 25, 2008	Apr 24, 2008	0.735617
Apr 25, 2008	May 23, 2008	0.717565
May 27, 2008	Jun 24, 2008	0.695779
Jun 25, 2008	Jul 24, 2008	0.675790
Jul 25, 2008	Aug 22, 2008	0.655704
Aug 25, 2008	Sep 24, 2008	0.634089
Sep 25, 2008	Oct 24, 2008	0.616593
Oct 27, 2008	Nov 24, 2008	0.601541
Nov 25, 2008	Dec 24, 2008	0.577119
Dec 26, 2008	Jan 23, 2009	0.561266
Jan 26, 2009	Feb 24, 2009	0.545686
Feb 25, 2009	Mar 24, 2009	0.530728
Mar 25, 2009	Apr 24, 2009	0.508390
Apr 27, 2009	May 22, 2009	0.481185
May 26, 2009	Jun 24, 2009	0.463335
Jun 25, 2009	Jul 24, 2009	0.445537
Jul 27, 2009	Aug 24, 2009	0.429396
Aug 25, 2009	Sep 24, 2009	0.416487
Sep 25, 2009	Oct 23, 2009	0.404482
Oct 26, 2009	Nov 24, 2009	0.389127
Nov 25, 2009	Dec 24, 2009	0.375424
Dec 28, 2009	Jan 22, 2010	0.361703
Jan 25, 2010	Feb 24, 2010	0.343614
Feb 25, 2010	Mar 24, 2010	0.336376
Mar 25, 2010	Apr 23, 2010	0.324075
Apr 26, 2010	May 24, 2010	0.308263
May 25, 2010	Jun 24, 2010	0.294599
Jun 25, 2010	Jul 23, 2010	0.286659
Jul 26, 2010	Aug 24, 2010	0.274919
Aug 25, 2010	Sep 24, 2010	0.268470
Sep 27, 2010	Oct 22, 2010	0.261080
Oct 25, 2010	Nov 24, 2010	0.249964
Nov 26, 2010 Dec 27, 2010	Dec 23, 2010 Jan 24, 2011	0.237992
Jan 25, 2011	Feb 24, 2011	0.227072
Feb 25, 2011	Mar 24, 2011	0.217063
Mar 25, 2011	Apr 22, 2011	0.206622
Apr 25, 2011	May 24, 2011	0.198448
May 25, 2011	Jun 24, 2011	0.190829
Jun 27, 2011	Jul 22, 2011	0.183023
Jul 25, 2011	Aug 24, 2011	0.171537
	<u> </u>	0.163755

A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.154012
Sep 26, 2011	Oct 24, 2011	0.144294
Oct 25, 2011	Nov 23, 2011	0.134088
Nov 25, 2011	Dec 23, 2011	0.124861
Dec 27, 2011	Jan 24, 2012	0.119608
Jan 25, 2012	Feb 24, 2012	0.110724
Feb 27, 2012	Mar 23, 2012	0.103928
Mar 26, 2012	Apr 24, 2012	0.099526
Apr 25, 2012	May 24, 2012	0.092547
May 25, 2012	Jun 22, 2012	0.081824
Jun 25, 2012	Jul 24, 2012	0.068078
Jul 25, 2012	Aug 24, 2012	0.058356
Aug 27, 2012	Sep 24, 2012	0.051767
Sep 25, 2012	Oct 24, 2012	0.042539
Oct 25, 2012	Nov 23, 2012	0.035225
Nov 26, 2012	Dec 24, 2012	0.029764
Dec 26, 2012	Jan 24, 2013	0.020815
Jan 25, 2013	Feb 22, 2013	0.015895
Feb 25, 2013	Mar 22, 2013	0.011024
Mar 25, 2013	Apr 24, 2013	0.004209
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

A3 Certificate Factor Chart

From	То	<u>Factor</u>
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010 May 25, 2010	May 24, 2010 Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

A3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	0.977832
May 28, 2013	Jun 24, 2013	0.958872
Jun 25, 2013	Jul 24, 2013	0.933876
Jul 25, 2013	Aug 23, 2013	0.908538
Aug 26, 2013	Sep 24, 2013	0.877433
Sep 25, 2013	Oct 24, 2013	0.845782
Oct 25, 2013	Nov 22, 2013	0.824536
Nov 25, 2013	Dec 24, 2013	0.790299
Dec 26, 2013	Jan 24, 2014	0.773403
Jan 27, 2014	Feb 24, 2014	0.738987
Feb 25, 2014	Mar 24, 2014	0.721238
Mar 25, 2014	Apr 24, 2014	0.709468
Apr 25, 2014	May 23, 2014	0.686718
May 27, 2014	Jun 24, 2014	0.659164
Jun 25, 2014	Jul 24, 2014	0.638376
Jul 25, 2014	Aug 22, 2014	0.601709
Aug 25, 2014	Sep 24, 2014	0.569226
Sep 25, 2014	Oct 24, 2014	0.549917
Oct 27, 2014	Nov 24, 2014	0.521727
Nov 25, 2014	Dec 24, 2014	0.501516
Dec 26, 2014	Jan 23, 2015	0.485884
Jan 26, 2015	Feb 24, 2015	0.463875
Feb 25, 2015	Mar 24, 2015	0.449089
Mar 25, 2015	Apr 24, 2015	0.424982
Apr 27, 2015	May 22, 2015	0.407011
May 26, 2015	Jun 24, 2015	0.372526
Jun 25, 2015		0.349996

A4 Certificate Factor Chart

From	То	<u>Factor</u>
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010 May 25, 2010	May 24, 2010 Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

A4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000
	<u> </u>	

A5 Certificate Factor Chart

From	То	<u>Factor</u>
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010 Oct 22, 2010	1.000000
Sep 27, 2010 Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

A5 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000
· · · ·		

M1 Certificate Factor Chart

From	То	<u>Factor</u>
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010 May 25, 2010	May 24, 2010 Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000
	<u> </u>	

M2 Certificate Factor Chart

From	То	<u>Factor</u>
<u>110111</u>	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010 Sep 27, 2010	Sep 24, 2010 Oct 22, 2010	1.000000
Oct 25, 2010	<u> </u>	1.000000
Nov 26, 2010	Nov 24, 2010 Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
-		

M2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000
	<u> </u>	

M3 Certificate Factor Chart

From	То	<u>Factor</u>
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010 May 25, 2010	May 24, 2010 Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000
	<u> </u>	

M4 Certificate Factor Chart

From	То	<u>Factor</u>
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010 May 25, 2010	May 24, 2010 Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	0.967149
Feb 25, 2014	Mar 24, 2014	0.844118
Mar 25, 2014	Apr 24, 2014	0.735974
Apr 25, 2014	May 23, 2014	0.660092
May 27, 2014	Jun 24, 2014	0.621765
Jun 25, 2014	Jul 24, 2014	0.591853
Jul 25, 2014	Aug 22, 2014	0.576266
Aug 25, 2014	Sep 24, 2014	0.518180
Sep 25, 2014	Oct 24, 2014	0.510878
Oct 27, 2014	Nov 24, 2014	0.508594
Nov 25, 2014	Dec 24, 2014	0.450605
Dec 26, 2014	Jan 23, 2015	0.364682
Jan 26, 2015	Feb 24, 2015	0.320213
Feb 25, 2015	Mar 24, 2015	0.272250
Mar 25, 2015	Apr 24, 2015	0.222047
Apr 27, 2015	May 22, 2015	0.168479
May 26, 2015	Jun 24, 2015	0.081789
Jun 25, 2015		0.060455

M5 Certificate Factor Chart

From	То	<u>Factor</u>
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010 May 25, 2010	May 24, 2010 Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M5 Certificate Factor Chart

Fram	То	Fostor
From Aug 25, 2011	Sep 23, 2011	<u>Factor</u> 1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	0.944634
Feb 25, 2013	Mar 22, 2013	0.873746
Mar 25, 2013	Apr 24, 2013	0.757238
Apr 25, 2013	May 24, 2013	0.529197
May 28, 2013	Jun 24, 2013	0.387503
Jun 25, 2013	Jul 24, 2013	0.220041
Jul 25, 2013	Aug 23, 2013	0.207530
Aug 26, 2013	Sep 24, 2013	0.201704
Sep 25, 2013	Oct 24, 2013	0.197075
Oct 25, 2013	Nov 22, 2013	0.135484
Nov 25, 2013	Dec 24, 2013	0.003003
Dec 26, 2013	Jan 24, 2014	0.003003
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

M6 Certificate Factor Chart

From	То	<u>Factor</u>
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010 May 25, 2010	May 24, 2010 Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M6 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	0.879488
Oct 25, 2012	Nov 23, 2012	0.690503
Nov 26, 2012	Dec 24, 2012	0.273948
Dec 26, 2012	Jan 24, 2013	0.100945
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

M7 Certificate Factor Chart

From	То	<u>Factor</u>
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010 May 25, 2010	May 24, 2010 Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M7 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	0.907100
May 25, 2012	Jun 22, 2012	0.721480
Jun 25, 2012	Jul 24, 2012	0.528033
Jul 25, 2012	Aug 24, 2012	0.325052
Aug 27, 2012	Sep 24, 2012	0.086630
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

M8 Certificate Factor Chart

From	То	<u>Factor</u>
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010 May 25, 2010	May 24, 2010 Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M8 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	0.978459
Dec 27, 2011	Jan 24, 2012	0.771486
Jan 25, 2012	Feb 24, 2012	0.554608
Feb 27, 2012	Mar 23, 2012	0.371295
Mar 26, 2012	Apr 24, 2012	0.115091
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

M9 Certificate Factor Chart

From	То	<u>Factor</u>
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010 Jun 25, 2010	Jun 24, 2010 Jul 23, 2010	0.872350
Jul 26, 2010	Aug 24, 2010	0.800504
Aug 25, 2010	Sep 24, 2010	0.724744
Sep 27, 2010	Oct 22, 2010	0.563569
Oct 25, 2010	Nov 24, 2010	0.500563
Nov 26, 2010	Dec 23, 2010	0.490208
Dec 27, 2010	Jan 24, 2011	0.471703 0.416672
Jan 25, 2011	Feb 24, 2011	0.416672
Feb 25, 2011	Mar 24, 2011	0.416672
Mar 25, 2011	Apr 22, 2011	0.416672
Apr 25, 2011	May 24, 2011	0.416672
May 25, 2011	Jun 24, 2011	0.347672
Jun 27, 2011	Jul 22, 2011	0.260854
Jul 25, 2011	Aug 24, 2011	0.260854

M9 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.223246
Sep 26, 2011	Oct 24, 2011	0.034459
Oct 25, 2011	Nov 23, 2011	0.023275
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

JP Morgan Mortgage Trust 2007-A3

1A1 Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.987291
Jun 25, 2007	Jul 24, 2007	0.981803
Jul 25, 2007	Aug 24, 2007	0.974117
Aug 27, 2007	Sep 24, 2007	0.964195
Sep 25, 2007	Oct 24, 2007	0.942493
Oct 25, 2007	Nov 23, 2007	0.942210
Nov 26, 2007	Dec 24, 2007	0.938268
Dec 26, 2007	Jan 24, 2008	0.926900
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	0.923129
Mar 25, 2008	Apr 24, 2008	0.913065
Apr 25, 2008	May 23, 2008	0.909122
May 27, 2008	Jun 24, 2008	0.893239
Jun 25, 2008	Jul 24, 2008	0.877392
Jul 25, 2008	Aug 22, 2008	0.872941
Aug 25, 2008	Sep 24, 2008	0.872091
Sep 25, 2008	Oct 24, 2008	0.860630
Oct 27, 2008	Nov 24, 2008	0.849742
Nov 25, 2008	Dec 24, 2008	0.846990
Dec 26, 2008	Jan 23, 2009	0.844419
Jan 26, 2009	Feb 24, 2009	0.841179
Feb 25, 2009		0.830378
Mar 25, 2009	Mar 24, 2009 Apr 24, 2009	0.823320
-		0.815879
Apr 27, 2009	May 22, 2009	0.812898
May 26, 2009	Jun 24, 2009	0.807160
Jun 25, 2009	Jul 24, 2009	0.797614
Jul 27, 2009	Aug 24, 2009	0.783091
Aug 25, 2009	Sep 24, 2009	0.774461
Sep 25, 2009	Oct 23, 2009	0.774249
Oct 26, 2009	Nov 24, 2009	0.772103
Nov 25, 2009	Dec 24, 2009	0.765563
Dec 28, 2009	Jan 22, 2010	0.760294
Jan 25, 2010 Feb 25, 2010	Feb 24, 2010 Mar 24, 2010	0.740563
Mar 25, 2010	Apr 23, 2010	0.733765
Apr 26, 2010	May 24, 2010	0.723144
May 25, 2010	Jun 24, 2010	0.714994
Jun 25, 2010	Jul 23, 2010	0.707097
Jul 26, 2010	Aug 24, 2010	0.697116
Aug 25, 2010	Sep 24, 2010	0.689370
Sep 27, 2010	Oct 22, 2010	0.670638
Oct 25, 2010	Nov 24, 2010	0.663497
Nov 26, 2010	Dec 23, 2010	0.660504
Dec 27, 2010	Jan 24, 2011	0.636132
Jan 25, 2011	Feb 24, 2011	0.635984
Feb 25, 2011	Mar 24, 2011	0.630157
Mar 25, 2011	Apr 22, 2011	0.616283 0.611703
Apr 25, 2011	May 24, 2011	0.600862
May 25, 2011	Jun 24, 2011	0.594622
Jun 27, 2011	Jul 22, 2011	0.594622
	· · · · · · · · · · · · · · · · · · ·	0.334022

1A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	0.588794
Aug 25, 2011	Sep 23, 2011	0.577841
Sep 26, 2011	Oct 24, 2011	0.562090
Oct 25, 2011	Nov 23, 2011	0.548907
Nov 25, 2011	Dec 23, 2011	0.547298
Dec 27, 2011	Jan 24, 2012	0.539710
Jan 25, 2012	Feb 24, 2012	0.535943
Feb 27, 2012	Mar 23, 2012	0.530075
Mar 26, 2012	Apr 24, 2012	0.524816
Apr 25, 2012	May 24, 2012	0.516590
May 25, 2012	Jun 22, 2012	0.512273
Jun 25, 2012	Jul 24, 2012	0.501005
Jul 25, 2012	Aug 24, 2012	0.492588
Aug 27, 2012	Sep 24, 2012	0.479511
Sep 25, 2012	Oct 24, 2012	0.472300
Oct 25, 2012	Nov 23, 2012	0.460701
Nov 26, 2012	Dec 24, 2012	0.456086
Dec 26, 2012	Jan 24, 2013	0.447351
Jan 25, 2013	Feb 22, 2013	0.435494
Feb 25, 2013	Mar 22, 2013	0.424515
Mar 25, 2013	Apr 24, 2013	0.412774
Apr 25, 2013	May 24, 2013	0.405450
May 28, 2013	Jun 24, 2013	0.399621
Jun 25, 2013	Jul 24, 2013	0.390579
Jul 25, 2013	Aug 23, 2013	0.378332
Aug 26, 2013	Sep 24, 2013	0.368848
Sep 25, 2013	Oct 24, 2013	0.360553
Oct 25, 2013	Nov 22, 2013	0.355534
Nov 25, 2013	Dec 24, 2013	0.351441
Dec 26, 2013	Jan 24, 2014	0.343456
Jan 27, 2014	Feb 24, 2014	0.331824
Feb 25, 2014	Mar 24, 2014	0.330018
Mar 25, 2014	Apr 24, 2014	0.321921
Apr 25, 2014	May 23, 2014	0.313696
May 27, 2014	Jun 24, 2014	0.310288
Jun 25, 2014	Jul 24, 2014	0.304968
Jul 25, 2014	Aug 22, 2014	0.300353
Aug 25, 2014	Sep 24, 2014	0.299632
Sep 25, 2014	Oct 24, 2014	0.295396
Oct 27, 2014	Nov 24, 2014	0.293781
Nov 25, 2014	Dec 24, 2014	0.291669
Dec 26, 2014	Jan 23, 2015	0.290602
Jan 26, 2015	Feb 24, 2015	0.285015
Feb 25, 2015	Mar 24, 2015	0.284704
Mar 25, 2015	Apr 24, 2015	0.284156
Apr 27, 2015	May 22, 2015	0.277665
May 26, 2015	Jun 24, 2015	0.274772
Jun 25, 2015		0.269448

1A2 Certificate Factor Chart

From	То	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.987291
Jun 25, 2007	Jul 24, 2007	0.981803
Jul 25, 2007	Aug 24, 2007	0.974117
Aug 27, 2007	Sep 24, 2007	0.964195
Sep 25, 2007	Oct 24, 2007	0.942493
Oct 25, 2007	Nov 23, 2007	0.942210
Nov 26, 2007	Dec 24, 2007	0.938268
Dec 26, 2007	Jan 24, 2008	0.926900
Jan 25, 2008	Feb 22, 2008	0.923129
Feb 25, 2008	Mar 24, 2008	0.913065
Mar 25, 2008	Apr 24, 2008	0.909122
Apr 25, 2008	May 23, 2008	0.893239
May 27, 2008	Jun 24, 2008	0.877392
Jun 25, 2008	Jul 24, 2008	0.872941
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	0.872091
Sep 25, 2008	Oct 24, 2008	0.860630
Oct 27, 2008	Nov 24, 2008	0.849742
Nov 25, 2008	Dec 24, 2008	0.846990
Dec 26, 2008	Jan 23, 2009	0.844419
Jan 26, 2009	Feb 24, 2009	0.841179
Feb 25, 2009	Mar 24, 2009	0.830378
Mar 25, 2009	Apr 24, 2009	0.823320
Apr 27, 2009	May 22, 2009	0.815879
May 26, 2009	Jun 24, 2009	0.812898
Jun 25, 2009	Jul 24, 2009	0.807160
Jul 27, 2009	Aug 24, 2009	0.797614
Aug 25, 2009	Sep 24, 2009	0.783091
Sep 25, 2009	Oct 23, 2009	0.774461
Oct 26, 2009	Nov 24, 2009	0.774249
Nov 25, 2009	Dec 24, 2009	0.772103
Dec 28, 2009	Jan 22, 2010	0.765563 0.760294
Jan 25, 2010	Feb 24, 2010	0.740563
Feb 25, 2010	Mar 24, 2010	0.733765
Mar 25, 2010	Apr 23, 2010	0.723144
Apr 26, 2010	May 24, 2010	0.714994
May 25, 2010	Jun 24, 2010	0.707097
Jun 25, 2010	Jul 23, 2010	0.697116
Jul 26, 2010	Aug 24, 2010	0.689370
Aug 25, 2010	Sep 24, 2010	0.670638
Sep 27, 2010	Oct 22, 2010	0.663497
Oct 25, 2010	Nov 24, 2010	0.660504
Nov 26, 2010	Dec 23, 2010	0.636132
Dec 27, 2010	Jan 24, 2011	0.635984
Jan 25, 2011	Feb 24, 2011	0.630157
Feb 25, 2011	Mar 24, 2011	0.616283
Mar 25, 2011	Apr 22, 2011	0.611703
Apr 25, 2011	May 24, 2011	0.600862
May 25, 2011	Jun 24, 2011	0.594622
Jun 27, 2011	Jul 22, 2011	0.594622
·		

1A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	0.588794
Aug 25, 2011	Sep 23, 2011	0.577841
Sep 26, 2011	Oct 24, 2011	0.533970
Oct 25, 2011	Nov 23, 2011	0.463822
Nov 25, 2011	Dec 23, 2011	0.385372
Dec 27, 2011	Jan 24, 2012	0.358274
Jan 25, 2012	Feb 24, 2012	0.339587
Feb 27, 2012	Mar 23, 2012	0.248439
Mar 26, 2012	Apr 24, 2012	0.192269
Apr 25, 2012	May 24, 2012	0.115746
May 25, 2012	Jun 22, 2012	0.053253
Jun 25, 2012	Jul 24, 2012	0.025302
Jul 25, 2012	Aug 24, 2012	0.010973
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

B1 Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
<u></u>	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.999866
Jun 25, 2007	Jul 24, 2007	0.999732
Jul 25, 2007	Aug 24, 2007	0.999594
Aug 27, 2007	Sep 24, 2007	0.999454
Sep 25, 2007	Oct 24, 2007	0.999312
Oct 25, 2007	Nov 23, 2007	0.999171
Nov 26, 2007	Dec 24, 2007	0.999032
Dec 26, 2007	Jan 24, 2008	0.998109
Jan 25, 2008	Feb 22, 2008	0.997967
Feb 25, 2008	Mar 24, 2008	
Mar 25, 2008	Apr 24, 2008	0.997824 0.997679
Apr 25, 2008	May 23, 2008	
May 27, 2008	Jun 24, 2008	0.997534
Jun 25, 2008	Jul 24, 2008	0.997388
Jul 25, 2008	Aug 22, 2008	0.997241
Aug 25, 2008	Sep 24, 2008	0.997095
Sep 25, 2008	Oct 24, 2008	0.996947
Oct 27, 2008	Nov 24, 2008	0.996796
Nov 25, 2008	Dec 24, 2008	0.995766
Dec 26, 2008	Jan 23, 2009	0.995614
Jan 26, 2009	Feb 24, 2009	0.995461
Feb 25, 2009	Mar 24, 2009	0.995170
Mar 25, 2009	Apr 24, 2009	0.995014
Apr 27, 2009	May 22, 2009	0.994856
May 26, 2009	Jun 24, 2009	0.994699
Jun 25, 2009	Jul 24, 2009	0.994542
Jul 27, 2009	Aug 24, 2009	0.994381
Aug 25, 2009	Sep 24, 2009	0.994219
Sep 25, 2009	Oct 23, 2009	0.994056
Oct 26, 2009	Nov 24, 2009	0.993891
Nov 25, 2009	Dec 24, 2009	0.993727
Dec 28, 2009	Jan 22, 2010	0.993568
Jan 25, 2010	Feb 24, 2010	0.993247
Feb 25, 2010	Mar 24, 2010	0.993085
Mar 25, 2010	Apr 23, 2010	0.992923
Apr 26, 2010	May 24, 2010	0.992759
May 25, 2010	Jun 24, 2010	0.992597
Jun 25, 2010	Jul 23, 2010	0.992433
Jul 26, 2010	Aug 24, 2010	0.954709
Aug 25, 2010	Sep 24, 2010	0.846856
Sep 27, 2010	Oct 22, 2010	0.808904
Oct 25, 2010	Nov 24, 2010	0.792573
Nov 26, 2010	Dec 23, 2010	0.668152
Dec 27, 2010	Jan 24, 2011	0.638029
Jan 25, 2011	Feb 24, 2011	0.551477
Feb 25, 2011	Mar 24, 2011	0.430499
Mar 25, 2011	Apr 22, 2011	0.389784
Apr 25, 2011	May 24, 2011	0.342524
May 25, 2011	Jun 24, 2011	0.325421
Jun 27, 2011	Jul 22, 2011	0.217507
·		

B1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	0.156589
Aug 25, 2011	Sep 23, 2011	0.057850
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

B2 Certificate Factor Chart

From	То	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.999866
Jun 25, 2007	Jul 24, 2007	0.999732
Jul 25, 2007	Aug 24, 2007	0.999594
Aug 27, 2007	Sep 24, 2007	0.999454
Sep 25, 2007	Oct 24, 2007	0.999312
Oct 25, 2007	Nov 23, 2007	0.999171
Nov 26, 2007	Dec 24, 2007	0.999032
Dec 26, 2007	Jan 24, 2008	0.998109
Jan 25, 2008	Feb 22, 2008	0.997967
Feb 25, 2008	Mar 24, 2008	0.997824
Mar 25, 2008	Apr 24, 2008	0.997679
Apr 25, 2008	May 23, 2008	0.997534
May 27, 2008	Jun 24, 2008	0.997388
Jun 25, 2008	Jul 24, 2008	
Jul 25, 2008	Aug 22, 2008	0.997241
Aug 25, 2008	Sep 24, 2008	0.997095
Sep 25, 2008	Oct 24, 2008	0.996947
Oct 27, 2008	Nov 24, 2008	0.996796
Nov 25, 2008	Dec 24, 2008	0.995766
Dec 26, 2008	Jan 23, 2009	0.995614
		0.995461
Jan 26, 2009	Feb 24, 2009	0.995170
Feb 25, 2009	Mar 24, 2009	0.995014
Mar 25, 2009	Apr 24, 2009	0.994856
Apr 27, 2009	May 22, 2009	0.994699
May 26, 2009	Jun 24, 2009	0.994542
Jun 25, 2009	Jul 24, 2009	0.994381
Jul 27, 2009	Aug 24, 2009	0.994219
Aug 25, 2009	Sep 24, 2009	0.994056
Sep 25, 2009	Oct 23, 2009	0.993891
Oct 26, 2009	Nov 24, 2009	0.993727
Nov 25, 2009	Dec 24, 2009	0.993568
Dec 28, 2009	Jan 22, 2010	0.993408
Jan 25, 2010	Feb 24, 2010	0.993247
Feb 25, 2010	Mar 24, 2010	0.981057
Mar 25, 2010	Apr 23, 2010	0.931417
Apr 26, 2010	May 24, 2010	0.739696
May 25, 2010	Jun 24, 2010	0.408895
Jun 25, 2010	Jul 23, 2010	0.267090
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000

B2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	0.000000
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

B3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.999866
Jun 25, 2007	Jul 24, 2007	0.999732
Jul 25, 2007	Aug 24, 2007	0.999594
Aug 27, 2007	Sep 24, 2007	0.999454
Sep 25, 2007	Oct 24, 2007	0.999312
Oct 25, 2007	Nov 23, 2007	0.999171
Nov 26, 2007	Dec 24, 2007	0.999032
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	0.998109
Feb 25, 2008	Mar 24, 2008	0.997967
Mar 25, 2008	Apr 24, 2008	0.997824
Apr 25, 2008	May 23, 2008	0.997679
May 27, 2008	Jun 24, 2008	0.997534
Jun 25, 2008	Jul 24, 2008	0.997388
Jul 25, 2008	Aug 22, 2008	0.997241
Aug 25, 2008	Sep 24, 2008	0.997095
	Oct 24, 2008	0.996947
Sep 25, 2008		0.996796
Oct 27, 2008	Nov 24, 2008	0.995766
Nov 25, 2008	Dec 24, 2008	0.995614
Dec 26, 2008	Jan 23, 2009	0.995461
Jan 26, 2009	Feb 24, 2009	0.995170
Feb 25, 2009	Mar 24, 2009	0.995014
Mar 25, 2009	Apr 24, 2009	0.994856
Apr 27, 2009	May 22, 2009	0.994699
May 26, 2009	Jun 24, 2009	0.994542
Jun 25, 2009	Jul 24, 2009	0.994381
Jul 27, 2009	Aug 24, 2009	0.994268
Aug 25, 2009	Sep 24, 2009	0.976215
Sep 25, 2009	Oct 23, 2009	0.869869
Oct 26, 2009	Nov 24, 2009	0.523935
Nov 25, 2009	Dec 24, 2009	0.400280
Dec 28, 2009	Jan 22, 2010	0.356235
Jan 25, 2010	Feb 24, 2010	0.177643
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000

B3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	0.000000
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

2A1 Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.995367
Jun 25, 2007	Jul 24, 2007	0.966757
Jul 25, 2007	Aug 24, 2007	0.952091
Aug 27, 2007	Sep 24, 2007	0.940727
Sep 25, 2007	Oct 24, 2007	0.936179
Oct 25, 2007	Nov 23, 2007	0.923910
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	0.918860
Jan 25, 2008	Feb 22, 2008	0.912691
Feb 25, 2008	Mar 24, 2008	0.883594
Mar 25, 2008	Apr 24, 2008	0.880371
Apr 25, 2008	May 23, 2008	0.837618
May 27, 2008	Jun 24, 2008	0.805378
Jun 25, 2008	Jul 24, 2008	0.781478
	Aug 22, 2008	0.754468
Jul 25, 2008	<u> </u>	0.752637
Aug 25, 2008	Sep 24, 2008	0.746914
Sep 25, 2008	Oct 24, 2008	0.714691
Oct 27, 2008	Nov 24, 2008	0.707580
Nov 25, 2008	Dec 24, 2008	0.691487
Dec 26, 2008	Jan 23, 2009	0.682106
Jan 26, 2009	Feb 24, 2009	0.675576
Feb 25, 2009	Mar 24, 2009	0.671269
Mar 25, 2009	Apr 24, 2009	0.661348
Apr 27, 2009	May 22, 2009	0.640566
May 26, 2009	Jun 24, 2009	0.627806
Jun 25, 2009	Jul 24, 2009	0.596992
Jul 27, 2009	Aug 24, 2009	0.581989
Aug 25, 2009	Sep 24, 2009	0.555159
Sep 25, 2009	Oct 23, 2009	0.535845
Oct 26, 2009	Nov 24, 2009	0.507177
Nov 25, 2009	Dec 24, 2009	0.492940
Dec 28, 2009	Jan 22, 2010	0.492849
Jan 25, 2010	Feb 24, 2010	0.477581
Feb 25, 2010	Mar 24, 2010	0.461711
Mar 25, 2010	Apr 23, 2010	0.450777
Apr 26, 2010	May 24, 2010	0.441172
May 25, 2010	Jun 24, 2010	0.416204
Jun 25, 2010	Jul 23, 2010	0.415999
Jul 26, 2010	Aug 24, 2010	0.368432
Aug 25, 2010	Sep 24, 2010	0.362453
Sep 27, 2010	Oct 22, 2010	0.325593
Oct 25, 2010	Nov 24, 2010	0.316853
Nov 26, 2010	Dec 23, 2010	0.303483
Dec 27, 2010	Jan 24, 2011	0.286183
Jan 25, 2011	Feb 24, 2011	0.258970
Feb 25, 2011	Mar 24, 2011	0.236463
Mar 25, 2011	Apr 22, 2011	0.219043
Apr 25, 2011	May 24, 2011	0.193670
May 25, 2011	Jun 24, 2011	0.184676
Jun 27, 2011	Jul 22, 2011	0.170540
		-

2A1 Certificate Factor Chart

From	To	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	0.148912
Aug 25, 2011	Sep 23, 2011	0.148320
Sep 26, 2011	Oct 24, 2011	0.144277
Oct 25, 2011	Nov 23, 2011	0.140893
Nov 25, 2011	Dec 23, 2011	0.140480
Dec 27, 2011	Jan 24, 2012	0.138533
Jan 25, 2012	Feb 24, 2012	0.137566
Feb 27, 2012	Mar 23, 2012	0.136060
Mar 26, 2012	Apr 24, 2012	0.134710
Apr 25, 2012	May 24, 2012	0.132598
May 25, 2012	Jun 22, 2012	0.131490
Jun 25, 2012	Jul 24, 2012	0.128598
Jul 25, 2012	Aug 24, 2012	0.126437
Aug 27, 2012	Sep 24, 2012	0.124246
Sep 25, 2012	Oct 24, 2012	0.122605
Oct 25, 2012	Nov 23, 2012	0.120003
Nov 26, 2012	Dec 24, 2012	0.118794
Dec 26, 2012	Jan 24, 2013	0.117407
Jan 25, 2013	Feb 22, 2013	0.115449
Feb 25, 2013	Mar 22, 2013	0.113520
Mar 25, 2013	Apr 24, 2013	0.110431
Apr 25, 2013	May 24, 2013	0.108887
May 28, 2013	Jun 24, 2013	0.107671
Jun 25, 2013	Jul 24, 2013	0.105050
Jul 25, 2013	Aug 23, 2013	0.103087
Aug 26, 2013	Sep 24, 2013	0.099438
Sep 25, 2013	Oct 24, 2013	0.096927
Oct 25, 2013	Nov 22, 2013	0.095132
Nov 25, 2013	Dec 24, 2013	0.092677
Dec 26, 2013	Jan 24, 2014	0.090236
Jan 27, 2014	Feb 24, 2014	0.086912
Feb 25, 2014	Mar 24, 2014	0.086439
Mar 25, 2014	Apr 24, 2014	0.084621
Apr 25, 2014	May 23, 2014	0.082895
May 27, 2014	Jun 24, 2014	0.081993
Jun 25, 2014	Jul 24, 2014	0.079968
Jul 25, 2014	Aug 22, 2014	0.078771
Aug 25, 2014	Sep 24, 2014	0.078492
Sep 25, 2014	Oct 24, 2014	0.077590
Oct 27, 2014	Nov 24, 2014	0.075836
Nov 25, 2014	Dec 24, 2014	0.075283
Dec 26, 2014	Jan 23, 2015	0.075006
Jan 26, 2015	Feb 24, 2015	0.073564
Feb 25, 2015	Mar 24, 2015	0.073484
Mar 25, 2015	Apr 24, 2015	0.073399
Apr 27, 2015	May 22, 2015	0.071963
May 26, 2015	Jun 24, 2015	0.071331
Jun 25, 2015		0.069773

2A2 Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

2A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	0.972742
Oct 25, 2011	Nov 23, 2011	0.949928
Nov 25, 2011	Dec 23, 2011	0.947143
Dec 27, 2011	Jan 24, 2012	0.934011
Jan 25, 2012	Feb 24, 2012	0.927491
Feb 27, 2012	Mar 23, 2012	0.917337
Mar 26, 2012	Apr 24, 2012	0.908237
Apr 25, 2012	May 24, 2012	0.894001
May 25, 2012	Jun 22, 2012	0.886530
Jun 25, 2012	Jul 24, 2012	0.867029
Jul 25, 2012	Aug 24, 2012	0.852463
Aug 27, 2012	Sep 24, 2012	0.837690
Sep 25, 2012	Oct 24, 2012	0.826622
Oct 25, 2012	Nov 23, 2012	0.809078
Nov 26, 2012	Dec 24, 2012	0.800926
Dec 26, 2012	Jan 24, 2013	0.791578
Jan 25, 2013	Feb 22, 2013	0.778377
Feb 25, 2013	Mar 22, 2013	0.765371
Mar 25, 2013	Apr 24, 2013	0.744544
Apr 25, 2013	May 24, 2013	0.734133
May 28, 2013	Jun 24, 2013	0.725937
Jun 25, 2013	Jul 24, 2013	0.708265
Jul 25, 2013	Aug 23, 2013	0.695029
Aug 26, 2013	Sep 24, 2013	0.670427
Sep 25, 2013	Oct 24, 2013	0.653498
Oct 25, 2013	Nov 22, 2013	0.641396
Nov 25, 2013	Dec 24, 2013	0.624846
Dec 26, 2013	Jan 24, 2014	0.608384
Jan 27, 2014	Feb 24, 2014	0.585974
Feb 25, 2014	Mar 24, 2014	0.582785
Mar 25, 2014	Apr 24, 2014	0.570532
Apr 25, 2014	May 23, 2014	0.558894
May 27, 2014	Jun 24, 2014	0.552811
Jun 25, 2014	Jul 24, 2014	0.539160
Jul 25, 2014	Aug 22, 2014	0.531085
Aug 25, 2014	Sep 24, 2014	0.529208
Sep 25, 2014	Oct 24, 2014	0.523124
Oct 27, 2014	Nov 24, 2014	0.511302
Nov 25, 2014	Dec 24, 2014	0.507569
Dec 26, 2014	Jan 23, 2015	0.505702
Jan 26, 2015	Feb 24, 2015	0.495984
Feb 25, 2015	Mar 24, 2015	0.495443
Mar 25, 2015	Apr 24, 2015	0.494868
Apr 27, 2015	May 22, 2015	0.485186
May 26, 2015	Jun 24, 2015	0.480923
Jun 25, 2015		0.470425

2A3 Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
<u> </u>	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
	•	1.000000
Apr 27, 2009	May 22, 2009 Jun 24, 2009	1.000000
May 26, 2009		1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009 Aug 25, 2009	Aug 24, 2009	1.000000
Sep 25, 2009	Sep 24, 2009 Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

2A3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	0.972742
Oct 25, 2011	Nov 23, 2011	0.949928
Nov 25, 2011	Dec 23, 2011	0.947143
Dec 27, 2011	Jan 24, 2012	0.934011
Jan 25, 2012	Feb 24, 2012	0.927491
Feb 27, 2012	Mar 23, 2012	0.917337
Mar 26, 2012	Apr 24, 2012	0.908237
Apr 25, 2012	May 24, 2012	0.894001
May 25, 2012	Jun 22, 2012	0.886530
Jun 25, 2012	Jul 24, 2012	0.867029
Jul 25, 2012	Aug 24, 2012	0.852463
Aug 27, 2012	Sep 24, 2012	0.837690
Sep 25, 2012	Oct 24, 2012	0.826622
Oct 25, 2012	Nov 23, 2012	0.809078
Nov 26, 2012	Dec 24, 2012	0.800926
Dec 26, 2012	Jan 24, 2013	0.791578
Jan 25, 2013	Feb 22, 2013	0.778377
Feb 25, 2013	Mar 22, 2013	0.765371
Mar 25, 2013	Apr 24, 2013	0.744544
Apr 25, 2013	May 24, 2013	0.734133
May 28, 2013	Jun 24, 2013	0.725937
Jun 25, 2013	Jul 24, 2013	0.708265
Jul 25, 2013	Aug 23, 2013	0.695029
Aug 26, 2013	Sep 24, 2013	0.670427
Sep 25, 2013	Oct 24, 2013	0.653498
Oct 25, 2013	Nov 22, 2013	0.641396
Nov 25, 2013	Dec 24, 2013	0.624846
Dec 26, 2013	Jan 24, 2014	0.608384
Jan 27, 2014	Feb 24, 2014	0.585974
Feb 25, 2014	Mar 24, 2014	0.582785
Mar 25, 2014	Apr 24, 2014	0.570532
Apr 25, 2014	May 23, 2014	0.558894
May 27, 2014	Jun 24, 2014	0.552811
Jun 25, 2014	Jul 24, 2014	0.539160
Jul 25, 2014	Aug 22, 2014	0.531085
Aug 25, 2014	Sep 24, 2014	0.529208
Sep 25, 2014	Oct 24, 2014	0.523124
Oct 27, 2014	Nov 24, 2014	0.511302
Nov 25, 2014	Dec 24, 2014	0.507569
Dec 26, 2014	Jan 23, 2015	0.505702
Jan 26, 2015	Feb 24, 2015	0.495984
Feb 25, 2015	Mar 24, 2015	0.495443
Mar 25, 2015	Apr 24, 2015	0.494868
Apr 27, 2015	May 22, 2015	0.485186
May 26, 2015	Jun 24, 2015	0.480923
Jun 25, 2015		0.470425

2A4 Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.997297
Jun 25, 2007	Jul 24, 2007	0.980608
Jul 25, 2007	Aug 24, 2007	0.972053
Aug 27, 2007	Sep 24, 2007	0.965424
Sep 25, 2007	Oct 24, 2007	0.962771
Oct 25, 2007	Nov 23, 2007	0.955614
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	0.952668
Jan 25, 2008	Feb 22, 2008	0.949070
Feb 25, 2008	Mar 24, 2008	0.932096
Mar 25, 2008	Apr 24, 2008	0.930216
Apr 25, 2008	May 23, 2008	0.905277
May 27, 2008	Jun 24, 2008	0.886470
Jun 25, 2008	Jul 24, 2008	0.872529
Jul 25, 2008	Aug 22, 2008	0.856773
		0.855705
Aug 25, 2008	Sep 24, 2008	0.852366
Sep 25, 2008	Oct 24, 2008	0.833570
Oct 27, 2008	Nov 24, 2008	0.829422
Nov 25, 2008	Dec 24, 2008	0.820034
Dec 26, 2008	Jan 23, 2009	0.814562
Jan 26, 2009	Feb 24, 2009	0.810752
Feb 25, 2009	Mar 24, 2009	0.808240
Mar 25, 2009	Apr 24, 2009	0.802452
Apr 27, 2009	May 22, 2009	0.790330
May 26, 2009	Jun 24, 2009	0.782886
Jun 25, 2009	Jul 24, 2009	0.764911
Jul 27, 2009	Aug 24, 2009	0.756160
Aug 25, 2009	Sep 24, 2009	0.740509
Sep 25, 2009	Oct 23, 2009	0.729242
Oct 26, 2009	Nov 24, 2009	0.712519
Nov 25, 2009	Dec 24, 2009	0.704214
Dec 28, 2009	Jan 22, 2010	0.704161
Jan 25, 2010	Feb 24, 2010	0.695255
Feb 25, 2010	Mar 24, 2010	0.685998
Mar 25, 2010	Apr 23, 2010	0.679619
Apr 26, 2010	May 24, 2010	0.674016
May 25, 2010	Jun 24, 2010	0.659452
Jun 25, 2010	Jul 23, 2010	0.659332
Jul 26, 2010	Aug 24, 2010	0.631585
Aug 25, 2010	Sep 24, 2010	0.628097
Sep 27, 2010	Oct 22, 2010	0.606595
Oct 25, 2010	Nov 24, 2010	0.601497
Nov 26, 2010	Dec 23, 2010	0.593697
Dec 27, 2010	Jan 24, 2011	0.583606
Jan 25, 2011	Feb 24, 2011	0.567731
Feb 25, 2011	Mar 24, 2011	0.554603
Mar 25, 2011	Apr 22, 2011	0.544441
Apr 25, 2011	May 24, 2011	0.529640
May 25, 2011	Jun 24, 2011	0.524393
Jun 27, 2011	Jul 22, 2011	0.516147
_		

2A4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	0.503531
Aug 25, 2011	Sep 23, 2011	0.503186
Sep 26, 2011	Oct 24, 2011	0.489470
Oct 25, 2011	Nov 23, 2011	0.477990
Nov 25, 2011	Dec 23, 2011	0.464101
Dec 27, 2011	Jan 24, 2012	0.431502
Jan 25, 2012	Feb 24, 2012	0.428481
Feb 27, 2012	Mar 23, 2012	0.414013
Mar 26, 2012	Apr 24, 2012	0.409906
Apr 25, 2012	May 24, 2012	0.403481
May 25, 2012	Jun 22, 2012	0.341071
Jun 25, 2012	Jul 24, 2012	0.294391
Jul 25, 2012	Aug 24, 2012	0.247755
Aug 27, 2012	Sep 24, 2012	0.233549
Sep 25, 2012	Oct 24, 2012	0.210743
Oct 25, 2012	Nov 23, 2012	0.123564
Nov 26, 2012	Dec 24, 2012	0.076912
Dec 26, 2012	Jan 24, 2013	0.023783
Jan 25, 2013	Feb 22, 2013	0.004272
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

3A1 Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
	May 24, 2007	1.00000
May 25, 2007	Jun 22, 2007	0.984623
Jun 25, 2007	Jul 24, 2007	0.978915
Jul 25, 2007	Aug 24, 2007	0.971520
Aug 27, 2007	Sep 24, 2007	0.963537
Sep 25, 2007	Oct 24, 2007	0.957080
Oct 25, 2007	Nov 23, 2007	0.944583
Nov 26, 2007	Dec 24, 2007	0.944219
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	0.937922
Feb 25, 2008	Mar 24, 2008	0.932466
Mar 25, 2008	Apr 24, 2008	0.928842
Apr 25, 2008	May 23, 2008	0.919895
May 27, 2008	Jun 24, 2008	0.910793
Jun 25, 2008	Jul 24, 2008	0.905172
Jul 25, 2008	Aug 22, 2008	0.888406
Aug 25, 2008	Sep 24, 2008	0.869744
Sep 25, 2008	Oct 24, 2008	0.858571
Oct 27, 2008	Nov 24, 2008	0.854077
Nov 25, 2008	Dec 24, 2008	0.844793
Dec 26, 2008	Jan 23, 2009	0.831578
	·	0.827287
Jan 26, 2009	Feb 24, 2009	0.819892
Feb 25, 2009	Mar 24, 2009	0.812431
Mar 25, 2009	Apr 24, 2009	0.798606
Apr 27, 2009	May 22, 2009	0.795408
May 26, 2009	Jun 24, 2009	0.778315
Jun 25, 2009	Jul 24, 2009	0.774889
Jul 27, 2009	Aug 24, 2009	0.748745
Aug 25, 2009	Sep 24, 2009	0.726139
Sep 25, 2009	Oct 23, 2009	0.713347
Oct 26, 2009	Nov 24, 2009	0.698579
Nov 25, 2009	Dec 24, 2009	0.690843
Dec 28, 2009	Jan 22, 2010	0.677469
Jan 25, 2010	Feb 24, 2010	0.673457
Feb 25, 2010	Mar 24, 2010	0.669623
Mar 25, 2010	Apr 23, 2010	0.669123
Apr 26, 2010 May 25, 2010	May 24, 2010	0.647219
Jun 25, 2010	Jun 24, 2010 Jul 23, 2010	0.638832
Jul 26, 2010	Aug 24, 2010	0.631263
Aug 25, 2010	Sep 24, 2010	0.613314
Sep 27, 2010	Oct 22, 2010	0.609182
Oct 25, 2010	Nov 24, 2010	0.598166
Nov 26, 2010	Dec 23, 2010	0.584608
Dec 27, 2010	Jan 24, 2011	0.582432
Jan 25, 2011	Feb 24, 2011	0.578272
Feb 25, 2011	Mar 24, 2011	0.572345
Mar 25, 2011	Apr 22, 2011	0.557845
Apr 25, 2011	May 24, 2011	0.549766
May 25, 2011	Jun 24, 2011	0.545322
Jun 27, 2011	Jul 22, 2011	0.533208
Juli 27, 2011	Jul 22, 2011	0.518164

3A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	0.512682
Aug 25, 2011	Sep 23, 2011	0.505311
Sep 26, 2011	Oct 24, 2011	0.490878
Oct 25, 2011	Nov 23, 2011	0.476702
Nov 25, 2011	Dec 23, 2011	0.474882
Dec 27, 2011	Jan 24, 2012	0.464603
Jan 25, 2012	Feb 24, 2012	0.460267
Feb 27, 2012	Mar 23, 2012	0.455228
Mar 26, 2012	Apr 24, 2012	0.450541
Apr 25, 2012	May 24, 2012	0.442975
May 25, 2012	Jun 22, 2012	0.437457
Jun 25, 2012	Jul 24, 2012	0.423545
Jul 25, 2012	Aug 24, 2012	0.415656
Aug 27, 2012	Sep 24, 2012	0.407210
Sep 25, 2012	Oct 24, 2012	0.401842
Oct 25, 2012	Nov 23, 2012	0.391405
Nov 26, 2012	Dec 24, 2012	0.386546
Dec 26, 2012	Jan 24, 2013	0.380951
Jan 25, 2013	Feb 22, 2013	0.373278
Feb 25, 2013	Mar 22, 2013	0.365350
Mar 25, 2013	Apr 24, 2013	0.360614
Apr 25, 2013	May 24, 2013	0.355032
May 28, 2013	Jun 24, 2013	0.350306
Jun 25, 2013	Jul 24, 2013	0.342429
Jul 25, 2013	Aug 23, 2013	0.336028
Aug 26, 2013	Sep 24, 2013	0.327243
Sep 25, 2013	Oct 24, 2013	0.319827
Oct 25, 2013	Nov 22, 2013	0.314094
Nov 25, 2013	Dec 24, 2013	0.310284
Dec 26, 2013	Jan 24, 2014	0.302508
Jan 27, 2014	Feb 24, 2014	0.293913
Feb 25, 2014	Mar 24, 2014	0.292321
Mar 25, 2014	Apr 24, 2014	0.285653
Apr 25, 2014	May 23, 2014	0.279826
May 27, 2014	Jun 24, 2014	0.276769
Jun 25, 2014	Jul 24, 2014	0.272023
Jul 25, 2014	Aug 22, 2014	0.267947
Aug 25, 2014	Sep 24, 2014	0.266467
Sep 25, 2014	Oct 24, 2014	0.263397
Oct 27, 2014	Nov 24, 2014	0.261956
Nov 25, 2014	Dec 24, 2014	0.260043
Dec 26, 2014	Jan 23, 2015	0.257463
Jan 26, 2015	Feb 24, 2015	0.252516
Feb 25, 2015	Mar 24, 2015	0.252238
Mar 25, 2015	Apr 24, 2015	0.251462
Apr 27, 2015	May 22, 2015	0.246025
May 26, 2015	Jun 24, 2015	0.243861
Jun 25, 2015		0.238538

3A2 Certificate Factor Chart

From	То	<u>Factor</u>
<u>110111</u>	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.984623
Jun 25, 2007	Jul 24, 2007	0.978915
Jul 25, 2007	Aug 24, 2007	0.971520
Aug 27, 2007	Sep 24, 2007	
Sep 25, 2007	Oct 24, 2007	0.963537
Oct 25, 2007	Nov 23, 2007	0.957080 0.944583
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	0.944219
Jan 25, 2008	Feb 22, 2008	0.937922
Feb 25, 2008	Mar 24, 2008	0.932466
Mar 25, 2008	Apr 24, 2008	0.928842
Apr 25, 2008	May 23, 2008	0.919895
May 27, 2008	Jun 24, 2008	0.910793
Jun 25, 2008	Jul 24, 2008	0.905172
Jul 25, 2008	Aug 22, 2008	0.888406
Aug 25, 2008	Sep 24, 2008	0.869744
	<u> </u>	0.858571
Sep 25, 2008	Oct 24, 2008	0.854077
Oct 27, 2008	Nov 24, 2008	0.844793
Nov 25, 2008	Dec 24, 2008	0.831578
Dec 26, 2008	Jan 23, 2009	0.827287
Jan 26, 2009	Feb 24, 2009	0.819892
Feb 25, 2009	Mar 24, 2009	0.812431
Mar 25, 2009	Apr 24, 2009	0.798606
Apr 27, 2009	May 22, 2009	0.795408
May 26, 2009	Jun 24, 2009	0.778315
Jun 25, 2009	Jul 24, 2009	0.774889
Jul 27, 2009	Aug 24, 2009	0.748745
Aug 25, 2009	Sep 24, 2009	0.726139
Sep 25, 2009	Oct 23, 2009	0.713347
Oct 26, 2009	Nov 24, 2009	0.698579
Nov 25, 2009	Dec 24, 2009	0.690843
Dec 28, 2009	Jan 22, 2010	0.677469
Jan 25, 2010	Feb 24, 2010	0.673457
Feb 25, 2010	Mar 24, 2010	0.669623
Mar 25, 2010	Apr 23, 2010	0.669123
Apr 26, 2010	May 24, 2010	0.647219
May 25, 2010	Jun 24, 2010	0.638832
Jun 25, 2010	Jul 23, 2010	0.631263
Jul 26, 2010	Aug 24, 2010	0.613314
Aug 25, 2010 Sep 27, 2010	Sep 24, 2010 Oct 22, 2010	0.609182
	Nov 24, 2010	0.598166
Oct 25, 2010 Nov 26, 2010	Dec 23, 2010	0.584608
Dec 27, 2010	Jan 24, 2011	0.582432
Jan 25, 2011	Feb 24, 2011	0.578272
Feb 25, 2011	Mar 24, 2011	0.572345
Mar 25, 2011	Apr 22, 2011	0.557845
Apr 25, 2011	May 24, 2011	0.549766
May 25, 2011	Jun 24, 2011	0.545322
Jun 27, 2011	Jul 22, 2011	0.533208
	· · · · · · · · · · · · · · · · · · ·	0.518164

3A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	0.512682
Aug 25, 2011	Sep 23, 2011	0.505311
Sep 26, 2011	Oct 24, 2011	0.491537
Oct 25, 2011	Nov 23, 2011	0.480009
Nov 25, 2011	Dec 23, 2011	0.478602
Dec 27, 2011	Jan 24, 2012	0.471966
Jan 25, 2012	Feb 24, 2012	0.468671
Feb 27, 2012	Mar 23, 2012	0.463540
Mar 26, 2012	Apr 24, 2012	0.458942
Apr 25, 2012	May 24, 2012	0.451748
May 25, 2012	Jun 22, 2012	0.447973
Jun 25, 2012	Jul 24, 2012	0.438119
Jul 25, 2012	Aug 24, 2012	0.430759
Aug 27, 2012	Sep 24, 2012	0.423294
Sep 25, 2012	Oct 24, 2012	0.417701
Oct 25, 2012	Nov 23, 2012	0.408836
Nov 26, 2012	Dec 24, 2012	0.404717
Dec 26, 2012	Jan 24, 2013	0.399789
Jan 25, 2013	Feb 22, 2013	0.391653
Feb 25, 2013	Mar 22, 2013	0.383333
Mar 25, 2013	Apr 24, 2013	0.378278
Apr 25, 2013	May 24, 2013	0.372404
May 28, 2013	Jun 24, 2013	0.367444
Jun 25, 2013	Jul 24, 2013	0.359181
Jul 25, 2013	Aug 23, 2013	0.352466
Aug 26, 2013	Sep 24, 2013	0.343249
Sep 25, 2013	Oct 24, 2013	0.335470
Oct 25, 2013	Nov 22, 2013	0.329456
Nov 25, 2013	Dec 24, 2013	0.325460
Dec 26, 2013	Jan 24, 2014	0.317304
Jan 27, 2014	Feb 24, 2014	0.308289
Feb 25, 2014	Mar 24, 2014	0.306612
Mar 25, 2014	Apr 24, 2014	0.299619
Apr 25, 2014	May 23, 2014	0.293507
May 27, 2014	Jun 24, 2014	0.290301
Jun 25, 2014	Jul 24, 2014	0.285322
Jul 25, 2014	Aug 22, 2014	0.281047
Aug 25, 2014	Sep 24, 2014	0.279495
Sep 25, 2014	Oct 24, 2014	0.276275
Oct 27, 2014	Nov 24, 2014	0.274763
Nov 25, 2014	Dec 24, 2014	0.272757
Dec 26, 2014	Jan 23, 2015	0.270051
Jan 26, 2015	Feb 24, 2015	0.264862
Feb 25, 2015	Mar 24, 2015	0.264570
Mar 25, 2015	Apr 24, 2015	0.263757
Apr 27, 2015	May 22, 2015	0.258053
May 26, 2015	Jun 24, 2015	0.255784
Jun 25, 2015		0.250201

3A3 Certificate Factor Chart

From	То	<u>Factor</u>
<u>110111</u>	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.984623
Jun 25, 2007	Jul 24, 2007	0.978915
Jul 25, 2007	Aug 24, 2007	0.971520
Aug 27, 2007	Sep 24, 2007	
Sep 25, 2007	Oct 24, 2007	0.963537
Oct 25, 2007	Nov 23, 2007	0.957080 0.944583
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	0.944219
Jan 25, 2008	Feb 22, 2008	0.937922
Feb 25, 2008	Mar 24, 2008	0.932466
Mar 25, 2008	Apr 24, 2008	0.928842
Apr 25, 2008	May 23, 2008	0.919895
May 27, 2008	Jun 24, 2008	0.910793
Jun 25, 2008	Jul 24, 2008	0.905172
Jul 25, 2008	Aug 22, 2008	0.888406
Aug 25, 2008	Sep 24, 2008	0.869744
	<u> </u>	0.858571
Sep 25, 2008	Oct 24, 2008	0.854077
Oct 27, 2008	Nov 24, 2008	0.844793
Nov 25, 2008	Dec 24, 2008	0.831578
Dec 26, 2008	Jan 23, 2009	0.827287
Jan 26, 2009	Feb 24, 2009	0.819892
Feb 25, 2009	Mar 24, 2009	0.812431
Mar 25, 2009	Apr 24, 2009	0.798606
Apr 27, 2009	May 22, 2009	0.795408
May 26, 2009	Jun 24, 2009	0.778315
Jun 25, 2009	Jul 24, 2009	0.774889
Jul 27, 2009	Aug 24, 2009	0.748745
Aug 25, 2009	Sep 24, 2009	0.726139
Sep 25, 2009	Oct 23, 2009	0.713347
Oct 26, 2009	Nov 24, 2009	0.698579
Nov 25, 2009	Dec 24, 2009	0.690843
Dec 28, 2009	Jan 22, 2010	0.677469
Jan 25, 2010	Feb 24, 2010	0.673457
Feb 25, 2010	Mar 24, 2010	0.669623
Mar 25, 2010	Apr 23, 2010	0.669123
Apr 26, 2010	May 24, 2010	0.647219
May 25, 2010	Jun 24, 2010	0.638832
Jun 25, 2010	Jul 23, 2010	0.631263
Jul 26, 2010	Aug 24, 2010	0.613314
Aug 25, 2010 Sep 27, 2010	Sep 24, 2010 Oct 22, 2010	0.609182
	Nov 24, 2010	0.598166
Oct 25, 2010 Nov 26, 2010	Dec 23, 2010	0.584608
Dec 27, 2010	Jan 24, 2011	0.582432
Jan 25, 2011	Feb 24, 2011	0.578272
Feb 25, 2011	Mar 24, 2011	0.572345
Mar 25, 2011	Apr 22, 2011	0.557845
Apr 25, 2011	May 24, 2011	0.549766
May 25, 2011	Jun 24, 2011	0.545322
Jun 27, 2011	Jul 22, 2011	0.533208
	· · · · · · · · · · · · · · · · · · ·	0.518164

3A3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	0.512682
Aug 25, 2011	Sep 23, 2011	0.505311
Sep 26, 2011	Oct 24, 2011	0.477550
Oct 25, 2011	Nov 23, 2011	0.409844
Nov 25, 2011	Dec 23, 2011	0.399663
Dec 27, 2011	Jan 24, 2012	0.315716
Jan 25, 2012	Feb 24, 2012	0.290313
Feb 27, 2012	Mar 23, 2012	0.287134
Mar 26, 2012	Apr 24, 2012	0.280666
Apr 25, 2012	May 24, 2012	0.265569
May 25, 2012	Jun 22, 2012	0.224805
Jun 25, 2012	Jul 24, 2012	0.128829
Jul 25, 2012	Aug 24, 2012	0.110253
Aug 27, 2012	Sep 24, 2012	0.081970
Sep 25, 2012	Oct 24, 2012	0.081139
Oct 25, 2012	Nov 23, 2012	0.038914
Nov 26, 2012	Dec 24, 2012	0.019087
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

2A3M Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

2A3M Certificate Factor Chart

From	To	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	0.972742
Oct 25, 2011	Nov 23, 2011	0.949928
Nov 25, 2011	Dec 23, 2011	0.947143
Dec 27, 2011	Jan 24, 2012	0.934011
Jan 25, 2012	Feb 24, 2012	0.927491
Feb 27, 2012	Mar 23, 2012	0.917337
Mar 26, 2012	Apr 24, 2012	0.908237
Apr 25, 2012	May 24, 2012	0.894001
May 25, 2012	Jun 22, 2012	0.886530
Jun 25, 2012	Jul 24, 2012	0.867029
Jul 25, 2012	Aug 24, 2012	0.852463
Aug 27, 2012	Sep 24, 2012	0.837690
Sep 25, 2012	Oct 24, 2012	0.826622
Oct 25, 2012	Nov 23, 2012	0.809078
Nov 26, 2012	Dec 24, 2012	0.800926
Dec 26, 2012	Jan 24, 2013	0.791578
Jan 25, 2013	Feb 22, 2013	0.778377
Feb 25, 2013	Mar 22, 2013	0.765371
Mar 25, 2013	Apr 24, 2013	0.744544
Apr 25, 2013	May 24, 2013	0.734133
May 28, 2013	Jun 24, 2013	0.725937
Jun 25, 2013	Jul 24, 2013	0.708265
Jul 25, 2013	Aug 23, 2013	0.695029
Aug 26, 2013	Sep 24, 2013	0.670427
Sep 25, 2013	Oct 24, 2013	0.653498
Oct 25, 2013	Nov 22, 2013	0.641396
Nov 25, 2013	Dec 24, 2013	0.624846
Dec 26, 2013	Jan 24, 2014	0.608384
Jan 27, 2014	Feb 24, 2014	0.585974
Feb 25, 2014	Mar 24, 2014	0.582785
Mar 25, 2014	Apr 24, 2014	0.570532
Apr 25, 2014	May 23, 2014	0.558894
May 27, 2014	Jun 24, 2014	0.552811
Jun 25, 2014	Jul 24, 2014	0.539160
Jul 25, 2014	Aug 22, 2014	0.531085
Aug 25, 2014	Sep 24, 2014	0.529208
Sep 25, 2014	Oct 24, 2014	0.523124
Oct 27, 2014	Nov 24, 2014	0.511302
Nov 25, 2014	Dec 24, 2014	0.507569
Dec 26, 2014	Jan 23, 2015	0.505702
Jan 26, 2015	Feb 24, 2015	0.495984
Feb 25, 2015	Mar 24, 2015	0.495443
Mar 25, 2015	Apr 24, 2015	0.494868
Apr 27, 2015	May 22, 2015	0.485186
May 26, 2015	Jun 24, 2015	0.480923
Jun 25, 2015		0.470425

2A3S Certificate Factor Chart

From	То	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

2A3S Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	0.972742
Oct 25, 2011	Nov 23, 2011	0.949928
Nov 25, 2011	Dec 23, 2011	0.947143
Dec 27, 2011	Jan 24, 2012	0.934011
Jan 25, 2012	Feb 24, 2012	0.927491
Feb 27, 2012	Mar 23, 2012	0.917337
Mar 26, 2012	Apr 24, 2012	0.908237
Apr 25, 2012	May 24, 2012	0.894001
May 25, 2012	Jun 22, 2012	0.886530
Jun 25, 2012	Jul 24, 2012	0.867029
Jul 25, 2012	Aug 24, 2012	0.852463
Aug 27, 2012	Sep 24, 2012	0.837690
Sep 25, 2012	Oct 24, 2012	0.826622
Oct 25, 2012	Nov 23, 2012	0.809078
Nov 26, 2012	Dec 24, 2012	0.800926
Dec 26, 2012	Jan 24, 2013	0.791578
Jan 25, 2013	Feb 22, 2013	0.778377
Feb 25, 2013	Mar 22, 2013	0.765371
Mar 25, 2013	Apr 24, 2013	0.744544
Apr 25, 2013	May 24, 2013	0.734133
May 28, 2013	Jun 24, 2013	0.725937
Jun 25, 2013	Jul 24, 2013	0.708265
Jul 25, 2013	Aug 23, 2013	0.695029
Aug 26, 2013	Sep 24, 2013	0.670427
Sep 25, 2013	Oct 24, 2013	0.653498
Oct 25, 2013	Nov 22, 2013	0.641396
Nov 25, 2013	Dec 24, 2013	0.624846
Dec 26, 2013	Jan 24, 2014	0.608384
Jan 27, 2014	Feb 24, 2014	0.585974
Feb 25, 2014	Mar 24, 2014	0.582785
Mar 25, 2014	Apr 24, 2014	0.570532
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

2A3L Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
<u> </u>	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
	•	1.000000
Apr 27, 2009	May 22, 2009 Jun 24, 2009	1.000000
May 26, 2009		1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009 Aug 25, 2009	Aug 24, 2009	1.000000
Sep 25, 2009	Sep 24, 2009 Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

2A3L Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	0.972742
Oct 25, 2011	Nov 23, 2011	0.949928
Nov 25, 2011	Dec 23, 2011	0.947143
Dec 27, 2011	Jan 24, 2012	0.934011
Jan 25, 2012	Feb 24, 2012	0.927491
Feb 27, 2012	Mar 23, 2012	0.917337
Mar 26, 2012	Apr 24, 2012	0.908237
Apr 25, 2012	May 24, 2012	0.894001
May 25, 2012	Jun 22, 2012	0.886530
Jun 25, 2012	Jul 24, 2012	0.867029
Jul 25, 2012	Aug 24, 2012	0.852463
Aug 27, 2012	Sep 24, 2012	0.837690
Sep 25, 2012	Oct 24, 2012	0.826622
Oct 25, 2012	Nov 23, 2012	0.809078
Nov 26, 2012	Dec 24, 2012	0.800926
Dec 26, 2012	Jan 24, 2013	0.791578
Jan 25, 2013	Feb 22, 2013	0.778377
Feb 25, 2013	Mar 22, 2013	0.765371
Mar 25, 2013	Apr 24, 2013	0.744544
Apr 25, 2013	May 24, 2013	0.734133
May 28, 2013	Jun 24, 2013	0.725937
Jun 25, 2013	Jul 24, 2013	0.708265
Jul 25, 2013	Aug 23, 2013	0.695029
Aug 26, 2013	Sep 24, 2013	0.670427
Sep 25, 2013	Oct 24, 2013	0.653498
Oct 25, 2013	Nov 22, 2013	0.641396
Nov 25, 2013	Dec 24, 2013	0.624846
Dec 26, 2013	Jan 24, 2014	0.608384
Jan 27, 2014	Feb 24, 2014	0.585974
Feb 25, 2014	Mar 24, 2014	0.582785
Mar 25, 2014	Apr 24, 2014	0.570532
Apr 25, 2014	May 23, 2014	0.558894
May 27, 2014	Jun 24, 2014	0.552811
Jun 25, 2014	Jul 24, 2014	0.539160
Jul 25, 2014	Aug 22, 2014	0.531085
Aug 25, 2014	Sep 24, 2014	0.529208
Sep 25, 2014	Oct 24, 2014	0.523124
Oct 27, 2014	Nov 24, 2014	0.511302
Nov 25, 2014	Dec 24, 2014	0.507569
Dec 26, 2014	Jan 23, 2015	0.505702
Jan 26, 2015	Feb 24, 2015	0.495984
Feb 25, 2015	Mar 24, 2015	0.495443
Mar 25, 2015	Apr 24, 2015	0.494868
Apr 27, 2015	May 22, 2015	0.485186
May 26, 2015	Jun 24, 2015	0.480923
Jun 25, 2015		0.470425

2A3F Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
<u> </u>	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
	•	1.000000
Apr 27, 2009	May 22, 2009 Jun 24, 2009	1.000000
May 26, 2009		1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009 Aug 25, 2009	Aug 24, 2009	1.000000
Sep 25, 2009	Sep 24, 2009 Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

2A3F Certificate Factor Chart

From	To	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	0.972742
Oct 25, 2011	Nov 23, 2011	0.949928
Nov 25, 2011	Dec 23, 2011	0.947143
Dec 27, 2011	Jan 24, 2012	0.934011
Jan 25, 2012	Feb 24, 2012	0.927491
Feb 27, 2012	Mar 23, 2012	0.917337
Mar 26, 2012	Apr 24, 2012	0.908237
Apr 25, 2012	May 24, 2012	0.894001
May 25, 2012	Jun 22, 2012	0.886530
Jun 25, 2012	Jul 24, 2012	0.867029
Jul 25, 2012	Aug 24, 2012	0.852463
Aug 27, 2012	Sep 24, 2012	0.837690
Sep 25, 2012	Oct 24, 2012	0.826622
Oct 25, 2012	Nov 23, 2012	0.809078
Nov 26, 2012	Dec 24, 2012	0.800926
Dec 26, 2012	Jan 24, 2013	0.791578
Jan 25, 2013	Feb 22, 2013	0.778377
Feb 25, 2013	Mar 22, 2013	0.765371
Mar 25, 2013	Apr 24, 2013	0.744544
Apr 25, 2013	May 24, 2013	0.734133
May 28, 2013	Jun 24, 2013	0.725937
Jun 25, 2013	Jul 24, 2013	0.708265
Jul 25, 2013	Aug 23, 2013	0.695029
Aug 26, 2013	Sep 24, 2013	0.670427
Sep 25, 2013	Oct 24, 2013	0.653498
Oct 25, 2013	Nov 22, 2013	0.641396
Nov 25, 2013	Dec 24, 2013	0.624846
Dec 26, 2013	Jan 24, 2014	0.608384
Jan 27, 2014	Feb 24, 2014	0.585974
Feb 25, 2014	Mar 24, 2014	0.582785
Mar 25, 2014	Apr 24, 2014	0.570532
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

3A2M Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.984623
Jun 25, 2007	Jul 24, 2007	0.978915
Jul 25, 2007	Aug 24, 2007	0.971520
Aug 27, 2007	Sep 24, 2007	0.963537
Sep 25, 2007	Oct 24, 2007	0.957080
Oct 25, 2007	Nov 23, 2007	0.944583
Nov 26, 2007	Dec 24, 2007	0.944219
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	0.937922 0.932466
Feb 25, 2008	Mar 24, 2008	0.928842
Mar 25, 2008	Apr 24, 2008	0.919895
Apr 25, 2008	May 23, 2008	
May 27, 2008	Jun 24, 2008	0.910793
Jun 25, 2008	Jul 24, 2008	0.905172
Jul 25, 2008	Aug 22, 2008	0.888406
Aug 25, 2008	Sep 24, 2008	0.869744
Sep 25, 2008	Oct 24, 2008	0.858571
Oct 27, 2008	Nov 24, 2008	0.854077
Nov 25, 2008	Dec 24, 2008	0.844793
Dec 26, 2008	Jan 23, 2009	0.831578
Jan 26, 2009	Feb 24, 2009	0.827287
Feb 25, 2009	Mar 24, 2009	0.819892
Mar 25, 2009	Apr 24, 2009	0.812431
Apr 27, 2009	May 22, 2009	0.798606
	, .	0.795408
May 26, 2009 Jun 25, 2009	Jun 24, 2009 Jul 24, 2009	0.778315
-	·	0.774889
Jul 27, 2009 Aug 25, 2009	Aug 24, 2009	0.748745
	Sep 24, 2009	0.726139
Sep 25, 2009 Oct 26, 2009	Oct 23, 2009 Nov 24, 2009	0.713347
Nov 25, 2009	Dec 24, 2009	0.698579
Dec 28, 2009	Jan 22, 2010	0.690843
Jan 25, 2010	Feb 24, 2010	0.677469
Feb 25, 2010	Mar 24, 2010	0.673457
Mar 25, 2010	Apr 23, 2010	0.669623
Apr 26, 2010	May 24, 2010	0.669123
May 25, 2010	Jun 24, 2010	0.647219
Jun 25, 2010	Jul 23, 2010	0.638832
Jul 26, 2010	Aug 24, 2010	0.613314
Aug 25, 2010	Sep 24, 2010	0.609182
Sep 27, 2010	Oct 22, 2010	0.598166
Oct 25, 2010	Nov 24, 2010	0.584608
Nov 26, 2010	Dec 23, 2010	0.582432
Dec 27, 2010	Jan 24, 2011	0.578272
Jan 25, 2011	Feb 24, 2011	0.572345
Feb 25, 2011	Mar 24, 2011	0.557845
Mar 25, 2011	Apr 22, 2011	0.549766
Apr 25, 2011	May 24, 2011	0.545322
May 25, 2011	Jun 24, 2011	0.533208
Jun 27, 2011	Jul 22, 2011	0.518164
-		

3A2M Certificate Factor Chart

Jul 25, 2011 Aug 24, 2011 0,512682 Aug 25, 2011 Sep 23, 2011 0,505311 Sep 26, 2011 Oct 24, 2011 0,491537 Oct 25, 2011 Nov 23, 2011 0,480009 Nov 25, 2011 Dec 23, 2011 0,478602 Dec 27, 2011 Jan 24, 2012 0,471966 Jan 25, 2012 Feb 24, 2012 0,468671 Feb 27, 2012 Mar 23, 2012 0,463540 Mar 26, 2012 Apr 24, 2012 0,451748 May 25, 2012 Jun 22, 2012 0,447973 Jun 25, 2012 Jul 24, 2012 0,438119 Jul 25, 2012 Aug 24, 2012 0,439793 Jun 25, 2012 Aug 24, 2012 0,439793 Jun 25, 2012 Aug 24, 2012 0,439793 Aug 27, 2012 Sep 24, 2012 0,439793 Aug 27, 2012 Sep 24, 2012 0,437701 Oct 25, 2012 Nov 23, 2012 0,407701 Oct 25, 2012 Nov 23, 2012 0,404717 Dec 26, 2012 Jan 24, 2013 0,399789 Jan 25, 2013 Feb 22, 2013 0,391653 Feb 25, 2013 Mar 22, 2013 0,391653 Feb 25, 2013 Mar 22, 2013 0,378278 Apr 25, 2013 May 24, 2013 0,378278 Apr 25, 2013 Jun 24, 2014 0,39307 Jun 25, 2014 Apr 24, 2014 0,293607 May 27, 2014 Feb 24, 2014 0,293607 May 27, 2014 Feb 24, 2014 0,293607 May 27, 2014 Jun 24, 2015 0,263675 Apr 27, 2015 May 22, 2015 0,263675 Apr 27, 2015 May 22, 2015 0,263	<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011 Oct 24, 2011 0.491537 Oct 25, 2011 Nov 23, 2011 0.480009 Nov 25, 2011 Dec 23, 2011 0.478602 Dec 27, 2011 Jan 24, 2012 0.471966 Jan 25, 2012 Feb 24, 2012 0.468671 Feb 27, 2012 Mar 23, 2012 0.463540 Mar 26, 2012 Apr 24, 2012 0.458942 Apr 25, 2012 May 24, 2012 0.451748 May 25, 2012 Jun 22, 2012 0.447973 Jun 25, 2012 Jul 24, 2012 0.438119 Jul 25, 2012 Jul 24, 2012 0.438119 Jul 25, 2012 Aug 24, 2012 0.430759 Aug 27, 2012 Sep 24, 2012 0.430759 Avg 27, 2012 Sep 24, 2012 0.407701 Oct 25, 2012 Nov 23, 2012 0.40836 Nov 26, 2012 Dec 24, 2012 0.404717 Dec 26, 2012 Jan 24, 2013 0.399789 Jan 25, 2013 Feb 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.383333 Mar 25, 2013 Mar 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.378278 Apr 25, 2013 Jul 24, 2013 0.378278 Apr 25, 2013 Jul 24, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.352466 Aug 26, 2013 Sep 24, 2013 0.352466 Aug 26, 2013 Sep 24, 2013 0.335470 Oct 25, 2013 Nov 22, 2013 0.325460 Dec 26, 2013 Jan 24, 2014 0.308289 Feb 25, 2013 Nov 22, 2013 0.325460 Dec 26, 2013 Jan 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.299507 May 27, 2014 Feb 24, 2014 0.299507 May 27, 2014 Jul 24, 2014 0.279757 Dec 26, 2014 Jul 26, 2015 0.264570 Mar 25, 2015 Mar 24, 2015 0.264570 Mar 25, 2015 Mar 24, 2015 0.2655784	Jul 25, 2011	Aug 24, 2011	0.512682
Oct 25, 2011 Nov 23, 2011 0.480009 Nov 25, 2011 Dec 23, 2011 0.478602 Dec 27, 2011 Jan 24, 2012 0.471966 Jan 25, 2012 Feb 24, 2012 0.468671 Feb 27, 2012 Mar 23, 2012 0.463540 Mar 26, 2012 Apr 24, 2012 0.458942 Apr 25, 2012 May 24, 2012 0.451748 May 25, 2012 Jun 22, 2012 0.447973 Jun 25, 2012 Jul 24, 2012 0.438119 Jul 25, 2012 Jul 24, 2012 0.430759 Aug 27, 2012 Sep 24, 2012 0.430759 Aug 27, 2012 Sep 24, 2012 0.417701 Oct 25, 2012 Nov 23, 2012 0.40836 Nov 26, 2012 Dec 24, 2012 0.40871 Dec 26, 2012 Jan 24, 2013 0.399789 Jan 25, 2013 Feb 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.383333 Mar 25, 2013 Apr 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.372404 May 28, 2013 Jun 24, 2013 0.359181 Jul 25, 2013 Jul 24, 2013 0.352466 Aug 26, 2013 Sep 24, 2013 0.343249 Sep 25, 2013 Nov 22, 2013 0.343249 Sep 25, 2013 Apr 24, 2013 0.352466 Aug 26, 2013 Sep 24, 2013 0.335470 Oct 25, 2013 Nov 22, 2013 0.335470 Oct 25, 2013 Dec 24, 2014 0.306512 Nov 25, 2013 Jan 24, 2014 0.317304 Jan 27, 2014 Feb 24, 2014 0.30612 Mar 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 Mar 24, 2014 0.299501 Jun 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 Mar 24, 2014 0.299501 Jun 25, 2014 Jun 24, 2014 0.299501 Jun 25, 2014 Mar 24, 2014 0.299501 Jun 25, 2014 Mar 24, 2014 0.299501 Jun 25, 2014 Jun 24, 2014 0.299501 Jun 25, 2014 Jun 24, 2014 0.299501 Jun 25, 2014 Mar 24, 2014 0.299501 Jun 25, 2014 Jun 24, 2014 0.299501 Jun 25, 2014 Jun 24, 2014 0.290501 Jun 25, 2014 Dec 24, 2014 0.290501 Jun 25, 2015 Mar 24, 2015 0.26457	Aug 25, 2011	Sep 23, 2011	0.505311
Nov 25, 2011 Dec 23, 2011 0.478602 Dec 27, 2011 Jan 24, 2012 0.471966 Jan 25, 2012 Feb 24, 2012 0.468671 Feb 27, 2012 Mar 23, 2012 0.463540 Mar 26, 2012 Apr 24, 2012 0.458942 Apr 25, 2012 May 24, 2012 0.451748 May 25, 2012 Jun 22, 2012 0.437973 Jun 25, 2012 Jul 24, 2012 0.438719 Jul 25, 2012 Aug 24, 2012 0.430759 Aug 27, 2012 Sep 24, 2012 0.430759 Aug 27, 2012 Sep 24, 2012 0.430759 Aug 27, 2012 Sep 24, 2012 0.417701 Oct 25, 2012 Nov 23, 2012 0.408836 Nov 26, 2012 Dec 24, 2012 0.408717 Dec 26, 2012 Jan 24, 2013 0.399789 Jan 25, 2013 Feb 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.383333 Mar 25, 2013 May 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.372404 May 28, 2013 Jun 24, 2013 0.359181 Jul 25, 2013 Jul 24, 2013 0.359181 Jul 25, 2013 Jul 24, 2013 0.352466 Aug 26, 2013 Sep 24, 2013 0.335470 Oct 25, 2013 Nov 22, 2013 0.335470 Oct 25, 2013 Dec 24, 2014 0.30612 Nov 25, 2013 Dec 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 May 27, 2014 0.285322 Jul 25, 2014 Dec 24, 2014 0.299501 Jun 25, 2014 Jun 24, 2014 0.299619 Apr 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 Mar 24, 2014 0.299501 Jun 25, 2014 Jun 24, 2014 0.299519 Apr 25, 2014 Mar 24, 2014 0.299501 Jun 25, 2014 Jun 24, 2014 0.290501 Jun 25, 2014 Dec 24, 2014 0.290501 Jun 25, 2015 Mar 24, 2015 0.264	Sep 26, 2011	Oct 24, 2011	0.491537
Dec 27, 2011 Jan 24, 2012 0.471966 Jan 25, 2012 Feb 24, 2012 0.468671 Feb 27, 2012 Mar 23, 2012 0.463540 Mar 26, 2012 Apr 24, 2012 0.458942 Apr 25, 2012 Jun 22, 2012 0.47773 Jun 25, 2012 Jul 24, 2012 0.430759 Aug 27, 2012 Sep 24, 2012 0.430759 Aug 27, 2012 Sep 24, 2012 0.417701 Oct 25, 2012 Nov 23, 2012 0.404711 Dec 26, 2012 Jan 24, 2013 0.399789 Jan 25, 2013 Feb 22, 2013 0.399789 Jan 25, 2013 Mar 22, 2013 0.399789 Jan 25, 2013 Mar 22, 2013 0.399789 Jan 25, 2013 Mar 22, 2013 0.3991653 Feb 25, 2013 Mar 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.372404 May 28, 2013 Jun 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.372404 May 28, 2013 Jun 24, 2013 0.359181 Jul 25, 2013 Jul 24, 2013 0.359181 Jul 25, 2013 Jul 24, 2013 0.352466 Aug 26, 2013 Sep 24, 2013 0.343249 Sep 25, 2013 Oct 24, 2013 0.335470 Oct 25, 2013 Dec 24, 2013 0.325460 Dec 26, 2013 Jan 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 Mar 24, 2014 0.299507 May 27, 2014 Feb 24, 2014 0.299507 May 27, 2014 Jun 24, 2014 0.299507 May 27, 2014 Jun 24, 2014 0.299301 Jun 25, 2014 Mar 24, 2014 0.299507 May 27, 2014 Jun 24, 2014 0.279757 Dec 26, 2014 Jun 23, 2015 0.264870 Mar 25, 2015 Mar 24, 2015 0.265875 Apr 27, 2015 May 22, 2015 0.255784	Oct 25, 2011	Nov 23, 2011	0.480009
Jan 25, 2012 Feb 24, 2012 0.468671 Feb 27, 2012 Mar 23, 2012 0.463540 Mar 26, 2012 Apr 24, 2012 0.458942 Apr 25, 2012 Jun 22, 2012 0.447973 Jun 25, 2012 Jul 24, 2012 0.438119 Jul 25, 2012 Aug 24, 2012 0.430759 Aug 27, 2012 Sep 24, 2012 0.417701 Oct 25, 2012 Nov 23, 2012 0.407477 Dec 26, 2012 Jan 24, 2012 0.408836 Nov 26, 2012 Jan 24, 2012 0.407477 Dec 26, 2012 Jan 24, 2012 0.40871 Dec 26, 2012 Jan 24, 2013 0.399789 Jan 25, 2013 Mar 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.378278 Apr 25, 2013 Mar 24, 2013 0.378278 Apr 25, 2013 Jun 24, 2013 0.3782404 May 28, 2013 Jun 24, 2013 0.367444 Jun 25, 2013 Jul 24, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.352466 Aug 26, 2013 Sep 24, 2013 0.343249 Sep 25, 2013 Nov 22, 2013 0.335470 Oct 25, 2013 Dec 24, 2013 0.325460 Dec 26, 2013 Jan 24, 2014 0.317304 Jan 27, 2014 Feb 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 Mar 24, 2014 0.299307 May 27, 2014 Feb 24, 2014 0.299307 May 27, 2014 Jun 24, 2014 0.299307 May 27, 2014 Aug 22, 2014 0.281047 Aug 25, 2014 Aug 22, 2014 0.281047 Aug 25, 2014 Aug 22, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.279495 Sep 25, 2015 Mar 24, 2015 0.264570 Mar 25, 2015 Mar 24, 2015 0.264570 Mar 26, 2015 Jun 24, 2015 0.265754	Nov 25, 2011	Dec 23, 2011	0.478602
Feb 27, 2012 Mar 23, 2012 0.463540 Mar 26, 2012 Apr 24, 2012 0.458942 Apr 25, 2012 May 24, 2012 0.451748 May 25, 2012 Jun 22, 2012 0.447973 Jun 25, 2012 Jul 24, 2012 0.438119 Jul 25, 2012 Aug 24, 2012 0.430759 Aug 27, 2012 Sep 24, 2012 0.430759 Aug 27, 2012 Sep 24, 2012 0.430759 Aug 27, 2012 Sep 24, 2012 0.408836 Nov 26, 2012 Dec 24, 2012 0.40717 Dec 26, 2012 Jan 24, 2013 0.399789 Jan 25, 2013 Feb 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.372404 May 28, 2013 Jun 24, 2013 0.372404 Jun 25, 2013 Jul 24, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.352466 Aug 26, 2013 Sep 24, 2013 0.335470 Oct 25, 2013 Nov 22, 2013 0.332456 Dec 26, 2013 Jan 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.308289 Feb 25, 2014 May 24, 2014 0.299519 Apr 25, 2014 May 24, 2014 0.299519 Apr 25, 2014 May 23, 2014 0.299519 Apr 25, 2014 Dec 24, 2014 0.299519 Jun 25, 2014 Jul 24, 2014 0.299519 Apr 25, 2014 Dec 24, 2014 0.299519 Apr 25, 2014 Dec 24, 2014 0.299519 Jun 25, 2014 Dec 24, 2014 0.299507 May 27, 2014 Sep 24, 2014 0.299519 Apr 25, 2014 Dec 24, 2014 0.299519 Apr 25, 2014 Dec 24, 2014 0.27757 Dec 26, 2014 Dec 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.264870 May 26, 2015 Jun 24, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.258053	Dec 27, 2011	Jan 24, 2012	0.471966
Mar 26, 2012	Jan 25, 2012	Feb 24, 2012	0.468671
Apr 25, 2012 May 24, 2012 0.451748 May 25, 2012 Jun 22, 2012 0.447973 Jun 25, 2012 Jul 24, 2012 0.438119 Jul 25, 2012 Aug 24, 2012 0.430759 Aug 27, 2012 Sep 24, 2012 0.423294 Sep 25, 2012 Oct 24, 2012 0.417701 Oct 25, 2012 Nov 23, 2012 0.404717 Dec 26, 2012 Jan 24, 2013 0.399789 Jan 25, 2013 Feb 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.378278 Apr 25, 2013 Jul 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.372404 Jun 25, 2013 Jul 24, 2013 0.359181 Jul 25, 2013 Jul 24, 2013 0.359181 Jul 25, 2013 Jul 24, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.352466 Aug 26, 2013 Sep 24, 2013 0.343249 Sep 25, 2013 Oct 24, 2013 0.335470 Oct 25, 2013 Nov 22, 2013 0.329456 Nov 25, 2013 Jan 24, 2014 0.317304 Jan 27, 2014 Feb 24, 2014 0.306612 May 27, 2014 Jun 24, 2014 0.299619 Apr 25, 2014 May 23, 2014 0.299301 Jun 25, 2014 Apr 24, 2014 0.299301 Jun 25, 2014 Jun 24, 2014 0.299301 Jun 25, 2014 Jun 24, 2014 0.299301 Jun 25, 2014 Aug 22, 2014 0.293507 May 27, 2014 Sep 24, 2014 0.299301 Jun 25, 2014 Aug 22, 2014 0.285322 Jul 25, 2014 Oct 24, 2014 0.299495 Sep 25, 2014 Oct 24, 2014 0.274763 Nov 25, 2015 May 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.264870 Mar 25, 2015 May 22, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.258053	Feb 27, 2012	Mar 23, 2012	0.463540
May 25, 2012 Jun 22, 2012 0,447973 Jun 25, 2012 Jul 24, 2012 0,438119 Jul 25, 2012 Aug 24, 2012 0,430759 Aug 27, 2012 Sep 24, 2012 0,423294 Sep 25, 2012 Oct 24, 2012 0,417701 Oct 25, 2012 Nov 23, 2012 0,408836 Nov 26, 2012 Dec 24, 2012 0,404717 Dec 26, 2012 Jan 24, 2013 0,399789 Jan 25, 2013 Feb 22, 2013 0,391653 Feb 25, 2013 Mar 22, 2013 0,383333 Mar 25, 2013 Apr 24, 2013 0,378278 Apr 25, 2013 May 24, 2013 0,378278 Apr 25, 2013 Jul 24, 2013 0,359181 Jul 25, 2013 Jul 24, 2013 0,359181 Jul 25, 2013 Jul 24, 2013 0,359181 Jul 25, 2013 Aug 23, 2013 0,352466 Aug 26, 2013 Sep 24, 2013 0,335470 Oct 25, 2013 Nov 22, 2013 0,329456 Nov 25, 2013 Dec 24, 2013 0,329456 Nov 25, 2013 Dec 24, 2014 0,317304 Jan 27, 2014 Feb 24, 2014 0,306612 Mar 25, 2014 Mar 24, 2014 0,299619 Apr 25, 2014 May 23, 2014 0,299301 Jul 25, 2014 Aug 22, 2014 0,285322 Jul 25, 2014 Aug 22, 2014 0,285322 Jul 25, 2014 Sep 24, 2014 0,285322 Jul 25, 2014 Aug 22, 2014 0,287575 Dec 26, 2014 Jul 24, 2014 0,276275 Oct 27, 2014 Nov 24, 2014 0,276275 Dec 26, 2014 Jul 24, 2014 0,276275 Oct 27, 2014 Nov 24, 2014 0,27757 Dec 26, 2014 Jan 23, 2015 0,264862 Feb 25, 2015 Mar 24, 2015 0,264870 Mar 25, 2015 Mar 24, 2015 0,263757 Apr 27, 2015 May 26, 2015 0,255784	Mar 26, 2012	Apr 24, 2012	0.458942
Jun 25, 2012 Jul 24, 2012 O.438119 Jul 25, 2012 Aug 24, 2012 O.430759 Aug 27, 2012 Sep 24, 2012 O.423294 Sep 25, 2012 Oct 24, 2012 O.408836 Nov 26, 2012 Dec 24, 2012 Jul 25, 2012 O.404717 Dec 26, 2012 Jan 24, 2013 Jan 25, 2013 Mar 25, 2013 Mar 22, 2013 Apr 24, 2013 O.399789 Jan 25, 2013 Mar 25, 2013 Mar 22, 2013 Apr 24, 2013 Apr 25, 2013 May 24, 2013 Jul 24, 2013 Jul 25, 2013 May 24, 2013 Jul 25, 2013 Jul 24, 2013 Jul 25, 2013 Jul 25, 2013 Jul 26, 2013 Jul 27, 2013 Jul 28, 2013 Jul 29, 2014 Apr 29, 2014 Apr 29, 2014 Apr 29, 2014 Jul 29, 2015 Jan 26, 2015 Jan 26, 2015 Jul 29, 2015	Apr 25, 2012	May 24, 2012	0.451748
Jul 25, 2012 Aug 24, 2012 0.430759 Aug 27, 2012 Sep 24, 2012 0.423294 Sep 25, 2012 Oct 24, 2012 0.417701 Oct 25, 2012 Nov 23, 2012 0.408836 Nov 26, 2012 Dec 24, 2012 0.404717 Dec 26, 2012 Jan 24, 2013 0.399789 Jan 25, 2013 Feb 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.383333 Mar 25, 2013 Apr 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.372404 May 28, 2013 Jun 24, 2013 0.359181 Jun 25, 2013 Jul 24, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.352466 Aug 26, 2013 Sep 24, 2013 0.335470 Oct 25, 2013 Nov 22, 2013 0.329456 Nov 25, 2013 Dec 24, 2013 0.329456 Nov 25, 2013 Dec 24, 2013 0.325460 Dec 26, 2013 Jan 24, 2014 0.317304 Jan 27, 2014 Feb 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 May 23, 2014 0.299619 Apr 25, 2014 Aug 22, 2014 0.285322 Jul 25, 2014 Sep 24, 2014 0.285322 Jul 25, 2014 Sep 24, 2014 0.285322 Jul 25, 2014 Aug 22, 2014 0.28507 May 27, 2014 Sep 24, 2014 0.28507 Dec 26, 2014 Jul 24, 2014 0.293507 May 27, 2014 Jul 24, 2014 0.293507 May 27, 2014 Sep 24, 2014 0.285322 Jul 25, 2014 Aug 22, 2014 0.285322 Jul 25, 2014 Nov 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.27757 Dec 26, 2014 Jan 23, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.264870 Mar 25, 2015 May 26, 2015 0.255784	May 25, 2012	Jun 22, 2012	0.447973
Aug 27, 2012 Sep 24, 2012 0.423294 Sep 25, 2012 Oct 24, 2012 0.417701 Oct 25, 2012 Nov 23, 2012 0.408836 Nov 26, 2012 Dec 24, 2012 0.404717 Dec 26, 2012 Jan 24, 2013 0.399789 Jan 25, 2013 Feb 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.383333 Mar 25, 2013 Apr 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.372404 May 28, 2013 Jun 24, 2013 0.367444 Jun 25, 2013 Jul 24, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.352466 Aug 26, 2013 Sep 24, 2013 0.343249 Sep 25, 2013 Oct 24, 2013 0.335470 Oct 25, 2013 Nov 22, 2013 0.329456 Nov 25, 2013 Dec 24, 2013 0.329456 Nov 25, 2013 Dec 24, 2014 0.317304 Jan 27, 2014 Feb 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 May 23, 2014 0.299619 Apr 25, 2014 Aug 27, 2014 0.299619 Apr 25, 2014 Aug 27, 2014 0.299619 Apr 25, 2014 Aug 27, 2014 0.285322 Jul 25, 2014 Oct 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.279495 Sep 25, 2014 Dec 24, 2014 0.279675 Dec 26, 2014 Jun 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.279495 Sep 25, 2014 Dec 24, 2014 0.279675 Dec 26, 2014 Jan 23, 2015 0.268570 May 26, 2015 Mar 24, 2015 0.268570 May 26, 2015 Jan 26, 2015 0.258784 May 26, 2015 Jun 24, 2015 0.255784	Jun 25, 2012	Jul 24, 2012	0.438119
Sep 25, 2012 Oct 24, 2012 0.417701 Oct 25, 2012 Nov 23, 2012 0.408836 Nov 26, 2012 Dec 24, 2012 0.404717 Dec 26, 2012 Jan 24, 2013 0.399789 Jan 25, 2013 Feb 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.38333 Mar 25, 2013 Apr 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.372404 May 28, 2013 Jul 24, 2013 0.367444 Jun 25, 2013 Jul 24, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.352466 Aug 26, 2013 Sep 24, 2013 0.335470 Oct 25, 2013 Nov 22, 2013 0.335470 Oct 25, 2013 Nov 22, 2013 0.329456 Nov 25, 2013 Dec 24, 2013 0.329456 Nov 25, 2013 Jan 24, 2014 0.317304 Jan 27, 2014 Feb 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 May 23, 2014 0.299619 Apr 25, 2014 Jul 24, 2014 0.299501 Jun 25, 2014 Jul 24, 2014 0.299501 Jun 25, 2014 Jul 24, 2014 0.299301 Jun 25, 2014 Aug 22, 2014 0.285322 Jul 25, 2014 Aug 22, 2014 0.285322 Jul 25, 2014 Nov 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.279757 Dec 26, 2014 Jan 23, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.264862 Feb 25, 2015 May 22, 2015 0.268757 Apr 27, 2015 May 22, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.255784	Jul 25, 2012	Aug 24, 2012	0.430759
Oct 25, 2012 Nov 23, 2012 0.408836 Nov 26, 2012 Dec 24, 2012 0.404717 Dec 26, 2012 Jan 24, 2013 0.399789 Jan 25, 2013 Feb 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.383333 Mar 25, 2013 Apr 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.372404 May 28, 2013 Jun 24, 2013 0.367444 Jun 25, 2013 Jul 24, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.359466 Aug 26, 2013 Sep 24, 2013 0.335470 Oct 25, 2013 Nov 22, 2013 0.329456 Nov 25, 2013 Dec 24, 2013 0.329456 Nov 25, 2013 Dec 24, 2013 0.329456 Dec 26, 2013 Jan 24, 2014 0.317304 Jan 27, 2014 Feb 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 May 23, 2014 0.293507 May 27, 2014 Jun 24, 2014 0.290301 Jun 25, 2014 Jul 24, 2014 0.290301 Jun 25, 2014 Jul 24, 2014 0.290301 Jun 25, 2014 Aug 22, 2014 0.285322 Jul 25, 2014 Aug 22, 2014 0.281047 Aug 25, 2014 Oct 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.279495 Sep 25, 2014 Dec 24, 2014 0.277653 Nov 25, 2015 Mar 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.263757 Apr 27, 2015 May 22, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.255784	Aug 27, 2012	Sep 24, 2012	0.423294
Nov 26, 2012 Dec 24, 2012 0.404717 Dec 26, 2012 Jan 24, 2013 0.399789 Jan 25, 2013 Feb 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.383333 Mar 25, 2013 Apr 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.372404 May 28, 2013 Jun 24, 2013 0.367444 Jun 25, 2013 Jul 24, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.352466 Aug 26, 2013 Sep 24, 2013 0.343249 Sep 25, 2013 Oct 24, 2013 0.335470 Oct 25, 2013 Nov 22, 2013 0.329456 Nov 25, 2013 Dec 24, 2013 0.329456 Dec 26, 2013 Jan 24, 2014 0.317304 Jan 27, 2014 Feb 24, 2014 0.306612 Mar 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 May 23, 2014 0.293507 May 27, 2014 Jun 24, 2014 0.290301 Jun 25, 2014 Jul 24, 2014 0.290301 Jun 25, 2014 Jul 24, 2014 0.290301 Jun 25, 2014 Jul 24, 2014 0.290301 Jun 25, 2014 Aug 22, 2014 0.281047 Aug 25, 2014 Aug 22, 2014 0.281047 Aug 25, 2014 Sep 24, 2014 0.276275 Oct 27, 2014 Dec 24, 2014 0.277675 Dec 26, 2014 Jan 23, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.263757 Apr 27, 2015 May 22, 2015 0.258053 May 26, 2015 Jan 24, 2015 0.255784	Sep 25, 2012	Oct 24, 2012	0.417701
Dec 26, 2012 Jan 24, 2013 0.399789 Jan 25, 2013 Feb 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.383333 Mar 25, 2013 Apr 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.372404 May 28, 2013 Jun 24, 2013 0.367444 Jun 25, 2013 Aug 23, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.352466 Aug 26, 2013 Sep 24, 2013 0.343249 Sep 25, 2013 Oct 24, 2013 0.335470 Oct 25, 2013 Nov 22, 2013 0.329456 Nov 25, 2013 Dec 24, 2013 0.329456 Nov 25, 2013 Dec 24, 2013 0.329456 Dec 26, 2013 Jan 24, 2014 0.317304 Jan 27, 2014 Feb 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 May 23, 2014 0.299619 Apr 25, 2014 Jun 24, 2014 0.299619 Apr 25, 2014 Jun 24, 2014 0.290301 Jun 25, 2014 Jun 24, 2014 0.290301 Jun 25, 2014 Jul 24, 2014 0.285322 Jul 25, 2014 Sep 24, 2014 0.2774763 Nov 25, 2014 Dec 24, 2014 0.2774763 Nov 25, 2015 Mar 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.264570 Mar 27, 2015 May 26, 2015 0.255784	Oct 25, 2012	Nov 23, 2012	0.408836
Jan 25, 2013 Feb 22, 2013 0.391653 Feb 25, 2013 Mar 22, 2013 0.383333 Mar 25, 2013 Apr 24, 2013 0.378278 Apr 25, 2013 May 24, 2013 0.367444 Jun 25, 2013 Jun 24, 2013 0.359181 Jul 25, 2013 Aug 23, 2013 0.352466 Aug 26, 2013 Sep 24, 2013 0.343249 Sep 25, 2013 Oct 24, 2013 0.335470 Oct 25, 2013 Nov 22, 2013 0.329456 Nov 25, 2013 Dec 24, 2013 0.329456 Dec 26, 2013 Jan 24, 2014 0.317304 Jan 27, 2014 Feb 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 May 23, 2014 0.299507 May 27, 2014 Jun 24, 2014 0.285322 Jul 25, 2014 Aug 22, 2014 0.285322 Jul 25, 2014 Oct 24, 2014 0.285322 Jul 25, 2014 Oct 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.279495 Sep 25, 2014 Dec 24, 2014 0.27757 Oct 27, 2014 Dec 24, 2014 0.27757 Dec 26, 2014 Jan 23, 2015 0.27051 Jan 26, 2015 Feb 24, 2015 0.263757 May 27, 2015 Mar 24, 2015 0.263757 Mar 25, 2015 Mar 24, 2015 0.263757 Mar 27, 2015 May 22, 2015 0.255784	Nov 26, 2012	Dec 24, 2012	0.404717
Feb 25, 2013	Dec 26, 2012	Jan 24, 2013	0.399789
Mar 25, 2013	Jan 25, 2013	Feb 22, 2013	0.391653
Apr 25, 2013	Feb 25, 2013	Mar 22, 2013	0.383333
May 28, 2013 Jun 24, 2013 O.367444 Jun 25, 2013 Jul 24, 2013 O.359181 Jul 25, 2013 Aug 23, 2013 O.352466 Aug 26, 2013 Sep 24, 2013 Oct 24, 2013 Oct 25, 2013 Oct 25, 2013 Nov 22, 2013 Oct 25, 2013 Nov 22, 2013 Oct 25, 2013 Oct 24, 2013 O.329456 Nov 25, 2013 Dec 24, 2013 O.325460 Dec 26, 2013 Jan 24, 2014 O.317304 Jan 27, 2014 Feb 24, 2014 O.308289 Feb 25, 2014 Mar 24, 2014 O.306612 Mar 25, 2014 Apr 24, 2014 O.299619 Apr 25, 2014 May 23, 2014 O.293507 May 27, 2014 Jun 24, 2014 O.285322 Jul 25, 2014 Aug 22, 2014 O.281047 Aug 25, 2014 Sep 24, 2014 O.279495 Sep 25, 2014 Nov 24, 2014 O.27757 Dec 26, 2014 Jan 23, 2015 O.270051 Jan 26, 2015 Feb 24, 2015 O.264570 Mar 25, 2015 May 26, 2015 Jun 24, 2015 O.255784	Mar 25, 2013	Apr 24, 2013	0.378278
Jun 25, 2013 Jul 24, 2013 O.359181 Jul 25, 2013 Aug 26, 2013 Sep 24, 2013 O.343249 Sep 25, 2013 Oct 24, 2013 O.329456 Nov 25, 2013 Dec 24, 2013 Dec 24, 2013 O.325460 Dec 26, 2013 Jan 24, 2014 Jan 27, 2014 Feb 24, 2014 O.306612 Mar 25, 2014 Mar 24, 2014 O.299619 Apr 25, 2014 Jun 24, 2014 O.299301 Jun 25, 2014 Aug 27, 2014 Jun 24, 2014 O.285322 Jul 25, 2014 Aug 25, 2014 Aug 27, 2014 Aug 27, 2014 Aug 27, 2014 Dec 26, 2013 Jun 27, 2014 Dec 26, 2014 Jun 27, 2014 Jun 28, 2014 O.299507 May 27, 2014 Jun 26, 2014 O.279495 Sep 25, 2014 Nov 24, 2014 O.279495 Sep 25, 2014 Dec 26, 2014 Dec 26, 2014 Dec 27, 2014 Nov 27, 2014 Dec 26, 2014 O.27757 Dec 26, 2014 Dec 26, 2015 Feb 24, 2015 O.264570 Mar 25, 2015 May 26, 2015 Jun 24, 2015 O.255784	Apr 25, 2013	May 24, 2013	0.372404
Jul 25, 2013 Aug 23, 2013 0.352466 Aug 26, 2013 Sep 24, 2013 0.343249 Sep 25, 2013 Oct 24, 2013 0.329456 Nov 25, 2013 Nov 22, 2013 0.329456 Dec 26, 2013 Jan 24, 2014 0.317304 Jan 27, 2014 Feb 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 Jun 24, 2014 0.293507 May 27, 2014 Jul 24, 2014 0.293507 May 27, 2014 Jul 24, 2014 0.293507 May 27, 2014 Jul 24, 2014 0.290301 Jun 25, 2014 Aug 22, 2014 0.285322 Jul 25, 2014 Sep 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.2776275 Oct 27, 2014 Dec 24, 2014 0.27757 Dec 26, 2014 Jan 23, 2015 0.270051 Jan 26, 2015 Feb 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.255784	May 28, 2013	Jun 24, 2013	0.367444
Aug 26, 2013 Sep 24, 2013 0.343249 Sep 25, 2013 Oct 24, 2013 0.335470 Oct 25, 2013 Nov 22, 2013 0.329456 Nov 25, 2013 Dec 24, 2013 0.325460 Dec 26, 2013 Jan 24, 2014 0.317304 Jan 27, 2014 Feb 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 Apr 24, 2014 0.293507 May 27, 2014 Jun 24, 2014 0.293507 May 27, 2014 Jun 24, 2014 0.290301 Jun 25, 2014 Aug 22, 2014 0.285322 Jul 25, 2014 Aug 22, 2014 0.281047 Aug 25, 2014 Sep 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.279495 Sep 25, 2014 Dec 24, 2014 0.27757 Dec 26, 2014 Jan 23, 2015 0.27051 Jan 26, 2015 Feb 24, 2015 0.264570 Mar 25, 2015 Mar 24, 2015 0.255784	Jun 25, 2013	Jul 24, 2013	0.359181
Sep 25, 2013 Oct 24, 2013 0.335470 Oct 25, 2013 Nov 22, 2013 0.329456 Nov 25, 2013 Dec 24, 2013 0.325460 Dec 26, 2013 Jan 24, 2014 0.317304 Jan 27, 2014 Feb 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.306612 Mar 25, 2014 Apr 24, 2014 0.299619 Apr 25, 2014 May 23, 2014 0.293507 May 27, 2014 Jun 24, 2014 0.290301 Jun 25, 2014 Jul 24, 2014 0.285322 Jul 25, 2014 Aug 22, 2014 0.281047 Aug 25, 2014 Sep 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.276275 Oct 27, 2014 Nov 24, 2014 0.274763 Nov 25, 2014 Dec 24, 2014 0.272757 Dec 26, 2014 Jan 23, 2015 0.270051 Jan 26, 2015 Feb 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.263757 Apr 27, 2015 May 26, 2015 0.255784	Jul 25, 2013	Aug 23, 2013	0.352466
Oct 25, 2013 Nov 22, 2013 0.329456 Nov 25, 2013 Dec 24, 2013 0.325460 Dec 26, 2013 Jan 24, 2014 0.317304 Jan 27, 2014 Feb 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 May 23, 2014 0.293507 May 27, 2014 Jun 24, 2014 0.290301 Jun 25, 2014 Jul 24, 2014 0.290301 Jun 25, 2014 Aug 22, 2014 0.285322 Jul 25, 2014 Sep 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.276275 Oct 27, 2014 Nov 24, 2014 0.276275 Oct 27, 2014 Dec 24, 2014 0.272757 Dec 26, 2014 Jan 23, 2015 0.270051 Jan 26, 2015 Feb 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.263757 Apr 27, 2015 May 22, 2015 0.255784	Aug 26, 2013	Sep 24, 2013	0.343249
Nov 25, 2013 Dec 24, 2013 0.325460 Dec 26, 2013 Jan 24, 2014 0.317304 Jan 27, 2014 Feb 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 May 23, 2014 0.293507 May 27, 2014 Jun 24, 2014 0.290301 Jun 25, 2014 Aug 22, 2014 0.285322 Jul 25, 2014 Aug 22, 2014 0.281047 Aug 25, 2014 Sep 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.276275 Oct 27, 2014 Nov 24, 2014 0.274763 Nov 25, 2014 Dec 24, 2014 0.272757 Dec 26, 2014 Jan 23, 2015 0.270051 Jan 26, 2015 Feb 24, 2015 0.264570 Mar 25, 2015 May 22, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.255784	Sep 25, 2013	Oct 24, 2013	0.335470
Dec 26, 2013 Jan 24, 2014 0.317304 Jan 27, 2014 Feb 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.306612 Mar 25, 2014 Apr 24, 2014 0.299619 Apr 25, 2014 May 23, 2014 0.293507 May 27, 2014 Jun 24, 2014 0.290301 Jun 25, 2014 Jul 24, 2014 0.285322 Jul 25, 2014 Aug 22, 2014 0.281047 Aug 25, 2014 Sep 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.276275 Oct 27, 2014 Nov 24, 2014 0.272757 Dec 26, 2014 Jan 23, 2015 Jan 26, 2015 Feb 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.255784	Oct 25, 2013	Nov 22, 2013	0.329456
Jan 27, 2014 Feb 24, 2014 0.308289 Feb 25, 2014 Mar 24, 2014 0.299619 Apr 25, 2014 May 23, 2014 0.293507 May 27, 2014 Jun 24, 2014 0.290301 Jun 25, 2014 Aug 22, 2014 0.285322 Jul 25, 2014 Sep 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.276275 Oct 27, 2014 Nov 24, 2014 0.276275 Oct 27, 2014 Dec 24, 2014 0.27757 Dec 26, 2014 Jan 23, 2015 0.27051 Jan 26, 2015 Feb 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.263757 Apr 27, 2015 May 22, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.255784	Nov 25, 2013	Dec 24, 2013	0.325460
Feb 25, 2014 Mar 24, 2014 0.306612 Mar 25, 2014 Apr 24, 2014 0.299619 Apr 25, 2014 May 23, 2014 0.293507 May 27, 2014 Jun 24, 2014 0.290301 Jun 25, 2014 Jul 24, 2014 0.285322 Jul 25, 2014 Aug 22, 2014 0.281047 Aug 25, 2014 Sep 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.276275 Oct 27, 2014 Nov 24, 2014 0.274763 Nov 25, 2014 Dec 24, 2014 0.272757 Dec 26, 2014 Jan 23, 2015 0.270051 Jan 26, 2015 Feb 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.263757 Apr 27, 2015 May 22, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.255784	Dec 26, 2013	Jan 24, 2014	0.317304
Mar 25, 2014	Jan 27, 2014	Feb 24, 2014	0.308289
Apr 25, 2014	Feb 25, 2014	Mar 24, 2014	0.306612
May 27, 2014 Jun 24, 2014 0.290301 Jun 25, 2014 Jul 24, 2014 0.285322 Jul 25, 2014 Aug 22, 2014 0.281047 Aug 25, 2014 Sep 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.276275 Oct 27, 2014 Nov 24, 2014 0.274763 Nov 25, 2014 Dec 24, 2014 0.272757 Dec 26, 2014 Jan 23, 2015 Jan 26, 2015 Feb 24, 2015 Mar 25, 2015 Mar 24, 2015 O.264862 Feb 25, 2015 Mar 24, 2015 O.263757 Apr 27, 2015 May 26, 2015 Jun 24, 2015 O.255784	Mar 25, 2014	Apr 24, 2014	0.299619
Jun 25, 2014 Jul 24, 2014 0.285322 Jul 25, 2014 Aug 22, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.276275 Oct 27, 2014 Nov 24, 2014 0.274763 Nov 25, 2014 Dec 24, 2014 0.272757 Dec 26, 2014 Jan 23, 2015 Jan 26, 2015 Feb 24, 2015 Mar 24, 2015 Oct 27, 2015 May 26, 2015 May 26, 2015 Jun 24, 2015 Oct 27, 2016 Oct 27, 2016 Apr 27, 2017 May 26, 2015 Jun 24, 2015 Oct 27, 2016 Oct 27, 2016 Apr 27, 2015 May 26, 2015 Jun 24, 2015 Oct 27, 2016 Oct 27, 2016 Apr 27, 2015 May 26, 2015 Jun 24, 2015 Occ 263757 Apr 27, 2015 May 26, 2015 Jun 24, 2015 Occ 265784	Apr 25, 2014	May 23, 2014	0.293507
Jul 25, 2014 Aug 22, 2014 0.281047 Aug 25, 2014 Sep 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.276275 Oct 27, 2014 Nov 24, 2014 0.274763 Nov 25, 2014 Dec 24, 2014 0.272757 Dec 26, 2014 Jan 23, 2015 0.270051 Jan 26, 2015 Feb 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.264570 Mar 25, 2015 Apr 24, 2015 0.263757 Apr 27, 2015 May 22, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.255784	May 27, 2014	Jun 24, 2014	0.290301
Aug 25, 2014 Sep 24, 2014 0.279495 Sep 25, 2014 Oct 24, 2014 0.276275 Oct 27, 2014 Nov 24, 2014 0.274763 Nov 25, 2014 Dec 24, 2014 0.272757 Dec 26, 2014 Jan 23, 2015 0.270051 Jan 26, 2015 Feb 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.264570 Mar 25, 2015 Apr 24, 2015 0.263757 Apr 27, 2015 May 22, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.255784	Jun 25, 2014	Jul 24, 2014	0.285322
Sep 25, 2014 Oct 24, 2014 0.276275 Oct 27, 2014 Nov 24, 2014 0.274763 Nov 25, 2014 Dec 24, 2014 0.272757 Dec 26, 2014 Jan 23, 2015 0.270051 Jan 26, 2015 Feb 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.264570 Mar 25, 2015 Apr 24, 2015 0.263757 Apr 27, 2015 May 22, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.255784	Jul 25, 2014	Aug 22, 2014	0.281047
Oct 27, 2014 Nov 24, 2014 0.274763 Nov 25, 2014 Dec 24, 2014 0.272757 Dec 26, 2014 Jan 23, 2015 0.270051 Jan 26, 2015 Feb 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.264570 Mar 25, 2015 Apr 24, 2015 0.263757 Apr 27, 2015 May 22, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.255784	Aug 25, 2014	Sep 24, 2014	0.279495
Nov 25, 2014 Dec 24, 2014 0.272757 Dec 26, 2014 Jan 23, 2015 0.270051 Jan 26, 2015 Feb 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.264570 Mar 25, 2015 Apr 24, 2015 0.263757 Apr 27, 2015 May 22, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.255784	Sep 25, 2014	Oct 24, 2014	0.276275
Dec 26, 2014 Jan 23, 2015 0.270051 Jan 26, 2015 Feb 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.264570 Mar 25, 2015 Apr 24, 2015 0.263757 Apr 27, 2015 May 22, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.255784	Oct 27, 2014	Nov 24, 2014	0.274763
Jan 26, 2015 Feb 24, 2015 0.264862 Feb 25, 2015 Mar 24, 2015 0.264570 Mar 25, 2015 Apr 24, 2015 0.263757 Apr 27, 2015 May 22, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.255784	Nov 25, 2014	Dec 24, 2014	0.272757
Feb 25, 2015 Mar 24, 2015 0.264570 Mar 25, 2015 Apr 24, 2015 0.263757 Apr 27, 2015 May 22, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.255784	Dec 26, 2014	Jan 23, 2015	0.270051
Mar 25, 2015 Apr 24, 2015 0.263757 Apr 27, 2015 May 22, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.255784	Jan 26, 2015	Feb 24, 2015	0.264862
Apr 27, 2015 May 22, 2015 0.258053 May 26, 2015 Jun 24, 2015 0.255784	Feb 25, 2015	Mar 24, 2015	0.264570
May 26, 2015 Jun 24, 2015 0.255784	Mar 25, 2015	Apr 24, 2015	0.263757
lug 25 2015	Apr 27, 2015	May 22, 2015	0.258053
Jun 25, 2015 0.250201	May 26, 2015	Jun 24, 2015	0.255784
	Jun 25, 2015		0.250201

3A2S Certificate Factor Chart

From	То	<u>Factor</u>
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.984623
Jun 25, 2007	Jul 24, 2007	0.978915
Jul 25, 2007	Aug 24, 2007	0.971520
Aug 27, 2007	Sep 24, 2007	0.963537
Sep 25, 2007	Oct 24, 2007	0.957080
Oct 25, 2007	Nov 23, 2007	0.944583
Nov 26, 2007	Dec 24, 2007	0.944219
Dec 26, 2007	Jan 24, 2008	0.937922
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	0.932466 0.928842
Mar 25, 2008	Apr 24, 2008	0.919895
Apr 25, 2008	May 23, 2008	
May 27, 2008	Jun 24, 2008	0.910793
Jun 25, 2008	Jul 24, 2008	0.905172
Jul 25, 2008	Aug 22, 2008	0.888406
Aug 25, 2008	Sep 24, 2008	0.869744
Sep 25, 2008	Oct 24, 2008	0.858571
Oct 27, 2008	Nov 24, 2008	0.854077
Nov 25, 2008	Dec 24, 2008	0.844793
Dec 26, 2008	Jan 23, 2009	0.831578
Jan 26, 2009	Feb 24, 2009	0.827287
Feb 25, 2009	Mar 24, 2009	0.819892
Mar 25, 2009	Apr 24, 2009	0.812431
-	May 22, 2009	0.798606
Apr 27, 2009	•	0.795408
May 26, 2009	Jun 24, 2009 Jul 24, 2009	0.778315
Jun 25, 2009	·	0.774889
Jul 27, 2009	Aug 24, 2009	0.748745
Aug 25, 2009	Sep 24, 2009	0.726139
Sep 25, 2009 Oct 26, 2009	Oct 23, 2009 Nov 24, 2009	0.713347
Nov 25, 2009	Dec 24, 2009	0.698579
Dec 28, 2009	Jan 22, 2010	0.690843
Jan 25, 2010	Feb 24, 2010	0.677469
Feb 25, 2010	Mar 24, 2010	0.673457
Mar 25, 2010	Apr 23, 2010	0.669623
Apr 26, 2010	May 24, 2010	0.669123
May 25, 2010	Jun 24, 2010	0.647219
Jun 25, 2010	Jul 23, 2010	0.638832
Jul 26, 2010	Aug 24, 2010	0.631263 0.613314
Aug 25, 2010	Sep 24, 2010	0.609182
Sep 27, 2010	Oct 22, 2010	0.598166
Oct 25, 2010	Nov 24, 2010	0.584608
Nov 26, 2010	Dec 23, 2010	0.582432
Dec 27, 2010	Jan 24, 2011	0.578272
Jan 25, 2011	Feb 24, 2011	0.572345
Feb 25, 2011	Mar 24, 2011	0.557845
Mar 25, 2011	Apr 22, 2011	0.549766
Apr 25, 2011	May 24, 2011	0.545322
May 25, 2011	Jun 24, 2011	0.533208
Jun 27, 2011	Jul 22, 2011	0.518164

3A2S Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Jul 25, 2011	Aug 24, 2011	0.512682
Aug 25, 2011	Sep 23, 2011	0.505311
Sep 26, 2011	Oct 24, 2011	0.491537
Oct 25, 2011	Nov 23, 2011	0.480009
Nov 25, 2011	Dec 23, 2011	0.478602
Dec 27, 2011	Jan 24, 2012	0.471966
Jan 25, 2012	Feb 24, 2012	0.468671
Feb 27, 2012	Mar 23, 2012	0.463540
Mar 26, 2012	Apr 24, 2012	0.458942
Apr 25, 2012	May 24, 2012	0.451748
May 25, 2012	Jun 22, 2012	0.447973
Jun 25, 2012	Jul 24, 2012	0.438119
Jul 25, 2012	Aug 24, 2012	0.430759
Aug 27, 2012	Sep 24, 2012	0.423294
Sep 25, 2012	Oct 24, 2012	0.417701
Oct 25, 2012	Nov 23, 2012	0.408836
Nov 26, 2012	Dec 24, 2012	0.404717
Dec 26, 2012	Jan 24, 2013	0.399789
Jan 25, 2013	Feb 22, 2013	0.391653
Feb 25, 2013	Mar 22, 2013	0.383333
Mar 25, 2013	Apr 24, 2013	0.378278
Apr 25, 2013	May 24, 2013	0.372404
May 28, 2013	Jun 24, 2013	0.367444
Jun 25, 2013	Jul 24, 2013	0.359181
Jul 25, 2013	Aug 23, 2013	0.352466
Aug 26, 2013	Sep 24, 2013	0.343249
Sep 25, 2013	Oct 24, 2013	0.335470
Oct 25, 2013	Nov 22, 2013	0.329456
Nov 25, 2013	Dec 24, 2013	0.325460
Dec 26, 2013	Jan 24, 2014	0.317304
Jan 27, 2014	Feb 24, 2014	0.308289
Feb 25, 2014	Mar 24, 2014	0.306612
Mar 25, 2014	Apr 24, 2014	0.299619
Apr 25, 2014	May 23, 2014	0.293507
May 27, 2014	Jun 24, 2014	0.290301
Jun 25, 2014	Jul 24, 2014	0.285322
Jul 25, 2014	Aug 22, 2014	0.281047
Aug 25, 2014	Sep 24, 2014	0.279495
Sep 25, 2014	Oct 24, 2014	0.276275
Oct 27, 2014	Nov 24, 2014	0.274763
Nov 25, 2014	Dec 24, 2014	0.272757
Dec 26, 2014	Jan 23, 2015	0.270051
Jan 26, 2015	Feb 24, 2015	0.264862
Feb 25, 2015	Mar 24, 2015	0.264570
Mar 25, 2015	Apr 24, 2015	0.263757
Apr 27, 2015	May 22, 2015	0.258053
May 26, 2015	Jun 24, 2015	0.255784
Jun 25, 2015		0.250201

1A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.989161
Jul 25, 2007	Aug 24, 2007	0.975750
Aug 27, 2007	Sep 24, 2007	0.969543
Sep 25, 2007	Oct 24, 2007	0.959993
Oct 25, 2007	Nov 23, 2007	0.957547
Nov 26, 2007	Dec 24, 2007	0.953913
Dec 26, 2007	Jan 24, 2008	0.948462
Jan 25, 2008	Feb 22, 2008	0.948062
Feb 25, 2008	Mar 24, 2008	0.940722
Mar 25, 2008	Apr 24, 2008	0.928067
Apr 25, 2008	May 23, 2008	0.916627
May 27, 2008	Jun 24, 2008	0.893450
Jun 25, 2008	Jul 24, 2008	0.883311
Jul 25, 2008	Aug 22, 2008	0.870798
Aug 25, 2008	Sep 24, 2008	0.862208
Sep 25, 2008	Oct 24, 2008	0.851925
Oct 27, 2008	Nov 24, 2008	0.840232
Nov 25, 2008	Dec 24, 2008	0.836179
Dec 26, 2008	Jan 23, 2009	0.835932
Jan 26, 2009	Feb 24, 2009	0.831084
Feb 25, 2009	Mar 24, 2009	0.826670
Mar 25, 2009	Apr 24, 2009	0.810047
Apr 27, 2009	May 22, 2009	0.803190
May 26, 2009	Jun 24, 2009	0.798146
Jun 25, 2009	Jul 24, 2009	0.783111
Jul 27, 2009	Aug 24, 2009	0.769294
Aug 25, 2009	Sep 24, 2009	0.751368
Sep 25, 2009	Oct 23, 2009	0.749152
Oct 26, 2009	Nov 24, 2009	0.728317
Nov 25, 2009	Dec 24, 2009	0.722177
Dec 28, 2009	Jan 22, 2010	0.713256
Jan 25, 2010	Feb 24, 2010	0.700888
Feb 25, 2010	Mar 24, 2010	0.696368
Mar 25, 2010	Apr 23, 2010	0.689085
Apr 26, 2010	May 24, 2010	0.675945
May 25, 2010	Jun 24, 2010	0.663942
Jun 25, 2010	Jul 23, 2010	0.661565
Jul 26, 2010	Aug 24, 2010	0.651873
Aug 25, 2010	Sep 24, 2010	0.642604
Sep 27, 2010	Oct 22, 2010	0.625642
Oct 25, 2010	Nov 24, 2010	0.614789
Nov 26, 2010	Dec 23, 2010	0.604970
Dec 27, 2010	Jan 24, 2011	0.582046
Jan 25, 2011	Feb 24, 2011	0.560944
Feb 25, 2011	Mar 24, 2011	0.558530
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.552015
May 25, 2011	Jun 24, 2011	0.551481
Jun 27, 2011	Jul 22, 2011	0.537005
Jul 25, 2011	Aug 24, 2011	0.533987
Jul 23, 2011	1146 27, 2011	0.532987

1A1 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.522362
Sep 26, 2011	Oct 24, 2011	0.512584
Oct 25, 2011	Nov 23, 2011	0.506685
Nov 25, 2011	Dec 23, 2011	0.501819
Dec 27, 2011	Jan 24, 2012	0.496471
Jan 25, 2012	Feb 24, 2012	0.489524
Feb 27, 2012	Mar 23, 2012	0.477100
Mar 26, 2012	Apr 24, 2012	0.473405
Apr 25, 2012	May 24, 2012	0.465253
May 25, 2012	Jun 22, 2012	0.459740
Jun 25, 2012	Jul 24, 2012	0.451248
Jul 25, 2012	Aug 24, 2012	0.442115
Aug 27, 2012	Sep 24, 2012	0.435128
Sep 25, 2012	Oct 24, 2012	0.424640
Oct 25, 2012	Nov 23, 2012	0.412993
Nov 26, 2012	Dec 24, 2012	0.405934
Dec 26, 2012	Jan 24, 2013	0.396574
Jan 25, 2013	Feb 22, 2013	0.389735
Feb 25, 2013	Mar 22, 2013	0.375770
Mar 25, 2013	Apr 24, 2013	0.372281
Apr 25, 2013	May 24, 2013	0.366788
May 28, 2013	Jun 24, 2013	0.357459
Jun 25, 2013	Jul 24, 2013	0.344662
Jul 25, 2013	Aug 23, 2013	0.341971
Aug 26, 2013	Sep 24, 2013	0.335286
Sep 25, 2013	Oct 24, 2013	0.329034
Oct 25, 2013	Nov 22, 2013	0.324071
Nov 25, 2013	Dec 24, 2013	0.315973
Dec 26, 2013	Jan 24, 2014	0.310753
Jan 27, 2014	Feb 24, 2014	0.307267
Feb 25, 2014	Mar 24, 2014	0.303360
Mar 25, 2014	Apr 24, 2014	0.302533
Apr 25, 2014	May 23, 2014	0.298531
May 27, 2014	Jun 24, 2014	0.295506
Jun 25, 2014	Jul 24, 2014	0.290635
Jul 25, 2014	Aug 22, 2014	0.287357
Aug 25, 2014	Sep 24, 2014	0.282343
Sep 25, 2014	Oct 24, 2014	0.277040
Oct 27, 2014	Nov 24, 2014	0.274501
Nov 25, 2014	Dec 24, 2014	0.270820
Dec 26, 2014	Jan 23, 2015	0.270824
Jan 26, 2015	Feb 24, 2015	0.265873
Feb 25, 2015	Mar 24, 2015	0.264561
Mar 25, 2015	Apr 24, 2015	0.260207
Apr 27, 2015	May 22, 2015	0.259570
May 26, 2015	Jun 24, 2015	0.256980
Jun 25, 2015		0.252719

1A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.989161
Jul 25, 2007	Aug 24, 2007	0.975750
Aug 27, 2007	Sep 24, 2007	0.969543
Sep 25, 2007	Oct 24, 2007	0.959993
Oct 25, 2007	Nov 23, 2007	0.957547
Nov 26, 2007	Dec 24, 2007	0.953913
Dec 26, 2007	Jan 24, 2008	0.948462
Jan 25, 2008	Feb 22, 2008	0.948062
Feb 25, 2008	Mar 24, 2008	0.940722
Mar 25, 2008	Apr 24, 2008	0.928067
Apr 25, 2008	May 23, 2008	0.916627
May 27, 2008	Jun 24, 2008	0.893450
Jun 25, 2008	Jul 24, 2008	0.883311
Jul 25, 2008	Aug 22, 2008	0.870798
Aug 25, 2008	Sep 24, 2008	0.862208
Sep 25, 2008	Oct 24, 2008	0.851925
Oct 27, 2008	Nov 24, 2008	0.840232
Nov 25, 2008	Dec 24, 2008	0.836179
Dec 26, 2008	Jan 23, 2009	0.835932
Jan 26, 2009	Feb 24, 2009	0.831084
Feb 25, 2009	Mar 24, 2009	0.826670
Mar 25, 2009	Apr 24, 2009	0.810047
Apr 27, 2009	May 22, 2009	0.803190
May 26, 2009	Jun 24, 2009	0.798146
Jun 25, 2009	Jul 24, 2009	0.783111
Jul 27, 2009	Aug 24, 2009	0.769294
Aug 25, 2009	Sep 24, 2009	0.751368
Sep 25, 2009	Oct 23, 2009	0.749152
Oct 26, 2009	Nov 24, 2009	0.728317
Nov 25, 2009	Dec 24, 2009	0.722177
Dec 28, 2009	Jan 22, 2010	0.713256
Jan 25, 2010	Feb 24, 2010	0.700888
Feb 25, 2010	Mar 24, 2010	0.696368
Mar 25, 2010	Apr 23, 2010	0.689085
Apr 26, 2010	May 24, 2010	0.675945
May 25, 2010	Jun 24, 2010	0.663942
Jun 25, 2010	Jul 23, 2010	0.661565
Jul 26, 2010	Aug 24, 2010	0.651873
Aug 25, 2010	Sep 24, 2010	0.642604
Sep 27, 2010	Oct 22, 2010	0.625642
Oct 25, 2010	Nov 24, 2010	0.614789
Nov 26, 2010	Dec 23, 2010	0.604970
Dec 27, 2010	Jan 24, 2011	0.582046
Jan 25, 2011	Feb 24, 2011	0.560944
Feb 25, 2011	Mar 24, 2011	0.558530
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.552015
May 25, 2011	Jun 24, 2011	0.551481
Jun 27, 2011	Jul 22, 2011	0.537005
Jul 25, 2011	Aug 24, 2011	0.533987
JUI 23, 2011	1146 27, 2011	0.518806

1A2 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.495150
Sep 26, 2011	Oct 24, 2011	0.482269
Oct 25, 2011	Nov 23, 2011	0.445065
Nov 25, 2011	Dec 23, 2011	0.421394
Dec 27, 2011	Jan 24, 2012	0.336048
Jan 25, 2012	Feb 24, 2012	0.297581
Feb 27, 2012	Mar 23, 2012	0.207450
Mar 26, 2012	Apr 24, 2012	0.110408
Apr 25, 2012	May 24, 2012	0.058349
May 25, 2012	Jun 22, 2012	0.021599
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

B1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999845
Jul 25, 2007	Aug 24, 2007	0.999688
Aug 27, 2007	Sep 24, 2007	0.999529
Sep 25, 2007	Oct 24, 2007	0.999368
Oct 25, 2007	Nov 23, 2007	0.999207
Nov 26, 2007	Dec 24, 2007	0.999037
Dec 26, 2007	Jan 24, 2008	0.998866
Jan 25, 2008	Feb 22, 2008	0.998687
Feb 25, 2008	Mar 24, 2008	0.998510
Mar 25, 2008	Apr 24, 2008	0.998332
Apr 25, 2008	May 23, 2008	0.998145
May 27, 2008	Jun 24, 2008	0.997953
Jun 25, 2008	Jul 24, 2008	0.997762
Jul 25, 2008	Aug 22, 2008	0.997570
Aug 25, 2008	Sep 24, 2008	0.997371
Sep 25, 2008	Oct 24, 2008	0.997169
Oct 27, 2008	Nov 24, 2008	0.996962
Nov 25, 2008	Dec 24, 2008	0.996756
Dec 26, 2008	Jan 23, 2009	0.996552
Jan 26, 2009	Feb 24, 2009	0.996346
Feb 25, 2009	Mar 24, 2009	0.996136
Mar 25, 2009	Apr 24, 2009	0.995926
Apr 27, 2009	May 22, 2009	0.995714
May 26, 2009	Jun 24, 2009	0.995494
Jun 25, 2009	Jul 24, 2009	0.995277
Jul 27, 2009	Aug 24, 2009	0.995054
Aug 25, 2009	Sep 24, 2009	0.994830
Sep 25, 2009	Oct 23, 2009	0.994605
Oct 26, 2009	Nov 24, 2009	0.994387
Nov 25, 2009	Dec 24, 2009	0.994175
Dec 28, 2009	Jan 22, 2010	0.993959
Jan 25, 2010	Feb 24, 2010	0.993746
Feb 25, 2010	Mar 24, 2010	0.993530
Mar 25, 2010	Apr 23, 2010	0.993305
Apr 26, 2010	May 24, 2010	0.993305
May 25, 2010	Jun 24, 2010	0.993305
Jun 25, 2010	Jul 23, 2010	0.993305
Jul 26, 2010	Aug 24, 2010	0.883936
Aug 25, 2010	Sep 24, 2010	0.871161
Sep 27, 2010	Oct 22, 2010	0.831554
Oct 25, 2010	Nov 24, 2010	0.711859
Nov 26, 2010	Dec 23, 2010	0.690900
Dec 27, 2010	Jan 24, 2011	0.620501
Jan 25, 2011	Feb 24, 2011	0.534258
Feb 25, 2011	Mar 24, 2011	0.464530
Mar 25, 2011	Apr 22, 2011 May 24, 2011	0.408296
Apr 25, 2011 May 25, 2011	Jun 24, 2011	0.291955
Jun 27, 2011	Jul 22, 2011	0.258584
Jul 25, 2011	Aug 24, 2011	0.196326
Jul 23, 2011	Aug 24, 2011	0.000000

B1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

B2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999845
Jul 25, 2007	Aug 24, 2007	0.999688
Aug 27, 2007	Sep 24, 2007	0.999529
Sep 25, 2007	Oct 24, 2007	0.999368
Oct 25, 2007	Nov 23, 2007	0.999207
Nov 26, 2007	Dec 24, 2007	0.999037
Dec 26, 2007	Jan 24, 2008	0.998866
Jan 25, 2008	Feb 22, 2008	0.998687
Feb 25, 2008	Mar 24, 2008	0.998510
Mar 25, 2008	Apr 24, 2008	0.998332
Apr 25, 2008	May 23, 2008	0.998145
May 27, 2008	Jun 24, 2008	0.997953
Jun 25, 2008	Jul 24, 2008	0.997762
Jul 25, 2008	Aug 22, 2008	0.997570
Aug 25, 2008	Sep 24, 2008	0.997371
Sep 25, 2008	Oct 24, 2008	0.997169
Oct 27, 2008	Nov 24, 2008	0.996962
Nov 25, 2008	Dec 24, 2008	0.996756
Dec 26, 2008	Jan 23, 2009	0.996552
Jan 26, 2009	Feb 24, 2009	0.996346
Feb 25, 2009	Mar 24, 2009	0.996136
Mar 25, 2009	Apr 24, 2009	0.995926
Apr 27, 2009	May 22, 2009	0.995714
May 26, 2009	Jun 24, 2009	0.995494
Jun 25, 2009	Jul 24, 2009	0.995277
Jul 27, 2009	Aug 24, 2009	0.995054
Aug 25, 2009	Sep 24, 2009	0.994830
Sep 25, 2009	Oct 23, 2009	0.994605
Oct 26, 2009	Nov 24, 2009	0.994387
Nov 25, 2009	Dec 24, 2009	0.994175
Dec 28, 2009	Jan 22, 2010	0.993959
Jan 25, 2010	Feb 24, 2010	0.930498
Feb 25, 2010	Mar 24, 2010	0.716191
Mar 25, 2010	Apr 23, 2010	0.564946
Apr 26, 2010	May 24, 2010	0.352294
May 25, 2010	Jun 24, 2010	0.259998
Jun 25, 2010	Jul 23, 2010	0.027120
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
JUI 23, 2011	1146 27, 2011	0.000000

B2 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.00000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

B3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999845
Jul 25, 2007	Aug 24, 2007	0.999688
Aug 27, 2007	Sep 24, 2007	0.999529
Sep 25, 2007	Oct 24, 2007	0.999368
Oct 25, 2007	Nov 23, 2007	0.999207
Nov 26, 2007	Dec 24, 2007	0.999037
Dec 26, 2007	Jan 24, 2008	0.998866
Jan 25, 2008	Feb 22, 2008	0.998687
Feb 25, 2008	Mar 24, 2008	0.998510
Mar 25, 2008	Apr 24, 2008	0.998332
Apr 25, 2008	May 23, 2008	0.998145
May 27, 2008	Jun 24, 2008	0.997953
Jun 25, 2008	Jul 24, 2008	0.997762
Jul 25, 2008	Aug 22, 2008	0.997570
Aug 25, 2008	Sep 24, 2008	0.997371
Sep 25, 2008	Oct 24, 2008	0.997169
Oct 27, 2008	Nov 24, 2008	0.996962
Nov 25, 2008	Dec 24, 2008	0.996756
Dec 26, 2008	Jan 23, 2009	0.996552
Jan 26, 2009	Feb 24, 2009	0.996346
Feb 25, 2009	Mar 24, 2009	0.996136
Mar 25, 2009	Apr 24, 2009	0.995926
Apr 27, 2009	May 22, 2009	0.995714
May 26, 2009	Jun 24, 2009	0.995494
Jun 25, 2009	Jul 24, 2009	0.995277
Jul 27, 2009	Aug 24, 2009	0.995054
Aug 25, 2009	Sep 24, 2009	0.994830
Sep 25, 2009	Oct 23, 2009	0.994830
Oct 26, 2009	Nov 24, 2009	0.869637
Nov 25, 2009	Dec 24, 2009	0.819112
Dec 28, 2009	Jan 22, 2010	0.206470
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
JUI 23, 2011	1146 27, 2011	0.000000

B3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

2A1 Certificate Factor Chart

<u>From</u>	То	Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.986446
Jul 25, 2007	Aug 24, 2007	0.982093
Aug 27, 2007	Sep 24, 2007	0.964958
Sep 25, 2007	Oct 24, 2007	0.957387
Oct 25, 2007	Nov 23, 2007	0.947866
Nov 26, 2007	Dec 24, 2007	0.936861
Dec 26, 2007	Jan 24, 2008	0.925563
Jan 25, 2008	Feb 22, 2008	0.914847
Feb 25, 2008	Mar 24, 2008	0.888769
Mar 25, 2008	Apr 24, 2008	0.858185
Apr 25, 2008	May 23, 2008	0.824346
May 27, 2008	Jun 24, 2008	0.793336
Jun 25, 2008	Jul 24, 2008	0.781968
Jul 25, 2008	Aug 22, 2008	0.762823
Aug 25, 2008	Sep 24, 2008	0.744253
Sep 25, 2008	Oct 24, 2008	0.711141
Oct 27, 2008	Nov 24, 2008	0.701597
Nov 25, 2008	Dec 24, 2008	0.694459
Dec 26, 2008	Jan 23, 2009	
Jan 26, 2009	Feb 24, 2009	0.688891
Feb 25, 2009	Mar 24, 2009	0.684504
Mar 25, 2009	Apr 24, 2009	0.677189
Apr 27, 2009	May 22, 2009	0.666160
May 26, 2009	Jun 24, 2009	0.630055
Jun 25, 2009	Jul 24, 2009	0.617343
Jul 27, 2009	Aug 24, 2009	0.587017
Aug 25, 2009	Sep 24, 2009	0.562491
Sep 25, 2009	Oct 23, 2009	0.548797
Oct 26, 2009	Nov 24, 2009	0.537908
Nov 25, 2009	Dec 24, 2009	0.514666
Dec 28, 2009	Jan 22, 2010	0.489817
Jan 25, 2010	Feb 24, 2010	0.467651
Feb 25, 2010	Mar 24, 2010	0.462438
Mar 25, 2010	Apr 23, 2010	0.452980
Apr 26, 2010	May 24, 2010	0.450641
May 25, 2010	Jun 24, 2010	0.434792
Jun 25, 2010	Jul 23, 2010	0.421693
Jul 26, 2010	Aug 24, 2010	0.398743
Aug 25, 2010	Sep 24, 2010	0.374774
Sep 27, 2010	Oct 22, 2010	0.367710
Oct 25, 2010	Nov 24, 2010	0.352775
Nov 26, 2010	Dec 23, 2010	0.332240
Dec 27, 2010	Jan 24, 2011	0.308098
Jan 25, 2011	Feb 24, 2011	0.286083
Feb 25, 2011	Mar 24, 2011	0.255713
Mar 25, 2011	Apr 22, 2011	0.242326
Apr 25, 2011	May 24, 2011	0.229930
May 25, 2011	Jun 24, 2011	0.225095
Jun 27, 2011	Jul 22, 2011	0.215104
Jul 25, 2011	Aug 24, 2011	0.190874

2A1 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.187069
Sep 26, 2011	Oct 24, 2011	0.183567
Oct 25, 2011	Nov 23, 2011	0.181455
Nov 25, 2011	Dec 23, 2011	0.179712
Dec 27, 2011	Jan 24, 2012	0.177797
Jan 25, 2012	Feb 24, 2012	0.175309
Feb 27, 2012	Mar 23, 2012	0.170860
Mar 26, 2012	Apr 24, 2012	0.169536
Apr 25, 2012	May 24, 2012	0.166617
May 25, 2012	Jun 22, 2012	0.164643
Jun 25, 2012	Jul 24, 2012	0.162395
Jul 25, 2012	Aug 24, 2012	0.159107
Aug 27, 2012	Sep 24, 2012	0.156370
Sep 25, 2012	Oct 24, 2012	0.154990
Oct 25, 2012	Nov 23, 2012	0.152519
Nov 26, 2012	Dec 24, 2012	0.150605
Dec 26, 2012	Jan 24, 2013	0.148142
Jan 25, 2013	Feb 22, 2013	0.144453
Feb 25, 2013	Mar 22, 2013	0.139832
Mar 25, 2013	Apr 24, 2013	0.137855
Apr 25, 2013	May 24, 2013	0.135840
May 28, 2013	Jun 24, 2013	0.132673
Jun 25, 2013	Jul 24, 2013	0.129216
Jul 25, 2013	Aug 23, 2013	0.127407
Aug 26, 2013	Sep 24, 2013	0.124503
Sep 25, 2013	Oct 24, 2013	0.122140
Oct 25, 2013	Nov 22, 2013	0.120301
Nov 25, 2013	Dec 24, 2013	0.117069
Dec 26, 2013	Jan 24, 2014	0.115134
Jan 27, 2014	Feb 24, 2014	0.113157
Feb 25, 2014	Mar 24, 2014	0.111971
Mar 25, 2014	Apr 24, 2014	0.111782
Apr 25, 2014	May 23, 2014	0.110248
May 27, 2014	Jun 24, 2014	0.108411
Jun 25, 2014	Jul 24, 2014	0.106938
Jul 25, 2014	Aug 22, 2014	0.105730
Aug 25, 2014	Sep 24, 2014	0.103456
Sep 25, 2014	Oct 24, 2014	0.101778
Oct 27, 2014	Nov 24, 2014	0.100845
Nov 25, 2014	Dec 24, 2014	0.100181
Dec 26, 2014	Jan 23, 2015	0.099597
Jan 26, 2015	Feb 24, 2015	0.098451
Feb 25, 2015	Mar 24, 2015	0.097965
Mar 25, 2015	Apr 24, 2015	0.096784
Apr 27, 2015	May 22, 2015	0.096547
May 26, 2015	Jun 24, 2015	0.095742
Jun 25, 2015		0.094041
		·

2A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

2A2 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.980065
Sep 26, 2011	Oct 24, 2011	0.961720
Oct 25, 2011	Nov 23, 2011	0.950653
Nov 25, 2011	Dec 23, 2011	0.941522
Dec 27, 2011	Jan 24, 2012	0.931488
Jan 25, 2012	Feb 24, 2012	0.918454
Feb 27, 2012	Mar 23, 2012	0.895145
Mar 26, 2012	Apr 24, 2012	0.888211
Apr 25, 2012	May 24, 2012	0.872917
May 25, 2012	Jun 22, 2012	0.862573
Jun 25, 2012	Jul 24, 2012	0.850796
Jul 25, 2012	Aug 24, 2012	0.833573
Aug 27, 2012	Sep 24, 2012	0.819232
Sep 25, 2012	Oct 24, 2012	0.812002
Oct 25, 2012	Nov 23, 2012	0.799056
Nov 26, 2012	Dec 24, 2012	0.789030
Dec 26, 2012	Jan 24, 2013	0.776126
Jan 25, 2013	Feb 22, 2013	0.756798
Feb 25, 2013	Mar 22, 2013	0.732589
Mar 25, 2013	Apr 24, 2013	0.722232
Apr 25, 2013	May 24, 2013	0.711673
May 28, 2013	Jun 24, 2013	0.695082
Jun 25, 2013	Jul 24, 2013	0.676970
Jul 25, 2013	Aug 23, 2013	0.667492
Aug 26, 2013	Sep 24, 2013	0.652281
Sep 25, 2013	Oct 24, 2013	0.639898
Oct 25, 2013	Nov 22, 2013	0.630266
Nov 25, 2013	Dec 24, 2013	0.613330
Dec 26, 2013	Jan 24, 2014	0.603196
Jan 27, 2014	Feb 24, 2014	0.592837
Feb 25, 2014	Mar 24, 2014	0.586621
Mar 25, 2014	Apr 24, 2014	0.585635
Apr 25, 2014	May 23, 2014	0.577597
May 27, 2014	Jun 24, 2014	0.567973
Jun 25, 2014	Jul 24, 2014	0.560253
Jul 25, 2014	Aug 22, 2014	0.553926
Aug 25, 2014	Sep 24, 2014	0.542010
Sep 25, 2014	Oct 24, 2014	0.533223
Oct 27, 2014	Nov 24, 2014	0.528335
Nov 25, 2014	Dec 24, 2014	0.524855
Dec 26, 2014	Jan 23, 2015	0.521796
Jan 26, 2015	Feb 24, 2015	0.515789
Feb 25, 2015	Mar 24, 2015	0.513244
Mar 25, 2015	Apr 24, 2015	0.507057
Apr 27, 2015	May 22, 2015	0.505817
May 26, 2015	Jun 24, 2015	0.501600
Jun 25, 2015		0.492688

2A3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

2A3 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.980065
Sep 26, 2011	Oct 24, 2011	0.961720
Oct 25, 2011	Nov 23, 2011	0.950653
Nov 25, 2011	Dec 23, 2011	0.941522
Dec 27, 2011	Jan 24, 2012	0.931488
Jan 25, 2012	Feb 24, 2012	0.918454
Feb 27, 2012	Mar 23, 2012	0.895145
Mar 26, 2012	Apr 24, 2012	0.888211
Apr 25, 2012	May 24, 2012	0.872917
May 25, 2012	Jun 22, 2012	0.862573
Jun 25, 2012	Jul 24, 2012	0.850796
Jul 25, 2012	Aug 24, 2012	0.833573
Aug 27, 2012	Sep 24, 2012	0.819232
Sep 25, 2012	Oct 24, 2012	0.812002
Oct 25, 2012	Nov 23, 2012	0.799056
Nov 26, 2012	Dec 24, 2012	0.789030
Dec 26, 2012	Jan 24, 2013	0.776126
Jan 25, 2013	Feb 22, 2013	0.756798
Feb 25, 2013	Mar 22, 2013	0.732589
Mar 25, 2013	Apr 24, 2013	0.722232
Apr 25, 2013	May 24, 2013	0.711673
May 28, 2013	Jun 24, 2013	0.695082
Jun 25, 2013	Jul 24, 2013	0.676970
Jul 25, 2013	Aug 23, 2013	0.667492
Aug 26, 2013	Sep 24, 2013	0.652281
Sep 25, 2013	Oct 24, 2013	0.639898
Oct 25, 2013	Nov 22, 2013	0.630266
Nov 25, 2013	Dec 24, 2013	0.613330
Dec 26, 2013	Jan 24, 2014	0.603196
Jan 27, 2014	Feb 24, 2014	0.592837
Feb 25, 2014	Mar 24, 2014	0.586621
Mar 25, 2014	Apr 24, 2014	0.585635
Apr 25, 2014	May 23, 2014	0.577597
May 27, 2014	Jun 24, 2014	0.567973
Jun 25, 2014	Jul 24, 2014	0.560253
Jul 25, 2014	Aug 22, 2014	0.553926
Aug 25, 2014	Sep 24, 2014	0.542010
Sep 25, 2014	Oct 24, 2014	0.533223
Oct 27, 2014	Nov 24, 2014	0.528335
Nov 25, 2014	Dec 24, 2014	0.524855
Dec 26, 2014	Jan 23, 2015	0.521796
Jan 26, 2015	Feb 24, 2015	0.515789
Feb 25, 2015	Mar 24, 2015	0.513244
Mar 25, 2015	Apr 24, 2015	0.507057
Apr 27, 2015	May 22, 2015	0.505817
May 26, 2015	Jun 24, 2015	0.501600
Jun 25, 2015		0.492688

2A4 Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.992143
Jul 25, 2007	Aug 24, 2007	0.989620
Aug 27, 2007	Sep 24, 2007	0.979687
Sep 25, 2007	Oct 24, 2007	0.975299
Oct 25, 2007	Nov 23, 2007	0.969779
Nov 26, 2007	Dec 24, 2007	0.963401
Dec 26, 2007	Jan 24, 2008	0.956851
Jan 25, 2008	Feb 22, 2008	0.950639
Feb 25, 2008	Mar 24, 2008	0.935523
Mar 25, 2008	Apr 24, 2008	0.917795
Apr 25, 2008	May 23, 2008	0.898179
May 27, 2008	Jun 24, 2008	0.880203
Jun 25, 2008	Jul 24, 2008	0.873614
Jul 25, 2008	Aug 22, 2008	0.862516
Aug 25, 2008	Sep 24, 2008	0.851751
Sep 25, 2008	Oct 24, 2008	0.832558
Oct 27, 2008	Nov 24, 2008	0.827025
Nov 25, 2008	Dec 24, 2008	0.822888
Dec 26, 2008	Jan 23, 2009	0.819660
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	0.817117
Mar 25, 2009	Apr 24, 2009	0.812877
Apr 27, 2009	May 22, 2009	0.806483
May 26, 2009	Jun 24, 2009	0.785555
Jun 25, 2009	Jul 24, 2009	0.778186
Jul 27, 2009	Aug 24, 2009	0.760607
Aug 25, 2009	Sep 24, 2009	0.746390 0.738452
Sep 25, 2009	Oct 23, 2009	0.732140
Oct 26, 2009	Nov 24, 2009	0.727565
Nov 25, 2009	Dec 24, 2009	0.718668
Dec 28, 2009	Jan 22, 2010	0.704264
Jan 25, 2010	Feb 24, 2010	0.691415
Feb 25, 2010	Mar 24, 2010	0.688393
Mar 25, 2010	Apr 23, 2010	0.682910
Apr 26, 2010	May 24, 2010	0.681554
May 25, 2010	Jun 24, 2010	0.672367
Jun 25, 2010	Jul 23, 2010	0.664774
Jul 26, 2010	Aug 24, 2010	0.651471
Aug 25, 2010	Sep 24, 2010	0.637577
Sep 27, 2010	Oct 22, 2010	0.633482
Oct 25, 2010	Nov 24, 2010	0.624824
Nov 26, 2010	Dec 23, 2010	0.612921
Dec 27, 2010	Jan 24, 2011	0.598927
Jan 25, 2011	Feb 24, 2011	0.586165
Feb 25, 2011	Mar 24, 2011	0.568561
Mar 25, 2011	Apr 22, 2011	0.560801
Apr 25, 2011	May 24, 2011	0.553615
May 25, 2011	Jun 24, 2011	0.550813
Jun 27, 2011	Jul 22, 2011	0.545021
Jul 25, 2011	Aug 24, 2011	0.503416

2A4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.432764
Sep 26, 2011	Oct 24, 2011	0.386277
Oct 25, 2011	Nov 23, 2011	0.357244
Nov 25, 2011	Dec 23, 2011	0.326944
Dec 27, 2011	Jan 24, 2012	0.283285
Jan 25, 2012	Feb 24, 2012	0.231963
Feb 27, 2012	Mar 23, 2012	0.186010
Mar 26, 2012	Apr 24, 2012	0.145738
Apr 25, 2012	May 24, 2012	0.087947
May 25, 2012	Jun 22, 2012	0.051546
Jun 25, 2012	Jul 24, 2012	0.050583
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

3A2 Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
	Jun 22, 2007	1.00000
Jun 25, 2007	Jul 24, 2007	0.996633
Jul 25, 2007	Aug 24, 2007	0.992169
Aug 27, 2007	Sep 24, 2007	0.988378
Sep 25, 2007	Oct 24, 2007	0.982443
Oct 25, 2007	Nov 23, 2007	0.977453
Nov 26, 2007	Dec 24, 2007	0.976009
Dec 26, 2007	Jan 24, 2008	0.971239
Jan 25, 2008	Feb 22, 2008	0.964292
Feb 25, 2008	Mar 24, 2008	0.963231
Mar 25, 2008	Apr 24, 2008	0.952439
Apr 25, 2008	May 23, 2008	0.945530
May 27, 2008	Jun 24, 2008	0.936888
Jun 25, 2008	Jul 24, 2008	0.929470
Jul 25, 2008	Aug 22, 2008	0.920613
Aug 25, 2008	Sep 24, 2008	0.917308
Sep 25, 2008	Oct 24, 2008	0.913309
Oct 27, 2008	Nov 24, 2008	0.902329
Nov 25, 2008	Dec 24, 2008	0.892046
Dec 26, 2008	Jan 23, 2009	0.892040
Jan 26, 2009	Feb 24, 2009	0.881800
Feb 25, 2009	Mar 24, 2009	0.866446
Mar 25, 2009	Apr 24, 2009	
Apr 27, 2009	May 22, 2009	0.840804
May 26, 2009	Jun 24, 2009	0.836645
Jun 25, 2009	Jul 24, 2009	0.816777
Jul 27, 2009	Aug 24, 2009	0.805860
Aug 25, 2009	Sep 24, 2009	0.795008 0.781448
Sep 25, 2009	Oct 23, 2009	0.755989
Oct 26, 2009	Nov 24, 2009	0.746233
Nov 25, 2009	Dec 24, 2009	0.737459
Dec 28, 2009	Jan 22, 2010	0.726246
Jan 25, 2010	Feb 24, 2010	0.716778
Feb 25, 2010	Mar 24, 2010	0.712622
Mar 25, 2010	Apr 23, 2010	0.705850
Apr 26, 2010	May 24, 2010	0.693859
May 25, 2010	Jun 24, 2010	0.664974
Jun 25, 2010	Jul 23, 2010	0.661019
Jul 26, 2010	Aug 24, 2010	0.640534
Aug 25, 2010	Sep 24, 2010	0.629781
Sep 27, 2010	Oct 22, 2010	0.613680
Oct 25, 2010	Nov 24, 2010	0.593910
Nov 26, 2010	Dec 23, 2010	0.587776
Dec 27, 2010	Jan 24, 2011	0.574313
Jan 25, 2011	Feb 24, 2011	0.558404
Feb 25, 2011	Mar 24, 2011	0.533156
Mar 25, 2011	Apr 22, 2011	0.528762
Apr 25, 2011	May 24, 2011	0.503618
May 25, 2011	Jun 24, 2011	0.485216
Jun 27, 2011	Jul 22, 2011	0.471358
Jul 25, 2011	Aug 24, 2011	0.435555

3A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.426872
Sep 26, 2011	Oct 24, 2011	0.412465
Oct 25, 2011	Nov 23, 2011	0.381933
Nov 25, 2011	Dec 23, 2011	0.378264
Dec 27, 2011	Jan 24, 2012	0.351599
Jan 25, 2012	Feb 24, 2012	0.346679
Feb 27, 2012	Mar 23, 2012	0.325455
Mar 26, 2012	Apr 24, 2012	0.294091
Apr 25, 2012	May 24, 2012	0.278594
May 25, 2012	Jun 22, 2012	0.256536
Jun 25, 2012	Jul 24, 2012	0.239829
Jul 25, 2012	Aug 24, 2012	0.193806
Aug 27, 2012	Sep 24, 2012	0.191274
Sep 25, 2012	Oct 24, 2012	0.189888
Oct 25, 2012	Nov 23, 2012	0.125653
Nov 26, 2012	Dec 24, 2012	0.064083
Dec 26, 2012	Jan 24, 2013	0.063145
Jan 25, 2013	Feb 22, 2013	0.039424
Feb 25, 2013	Mar 22, 2013	0.038163
Mar 25, 2013	Apr 24, 2013	0.038001
Apr 25, 2013	May 24, 2013	0.035122
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

3A3 Certificate Factor Chart

<u>From</u>	То	Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.995517
Jul 25, 2007	Aug 24, 2007	0.989571
Aug 27, 2007	Sep 24, 2007	0.984522
Sep 25, 2007	Oct 24, 2007	0.976618
Oct 25, 2007	Nov 23, 2007	0.969974
Nov 26, 2007	Dec 24, 2007	0.968050
Dec 26, 2007	Jan 24, 2008	0.961698
Jan 25, 2008	Feb 22, 2008	0.952446
Feb 25, 2008	Mar 24, 2008	0.951034
Mar 25, 2008	Apr 24, 2008	0.936662
Apr 25, 2008	May 23, 2008	0.927460
May 27, 2008	Jun 24, 2008	0.915952
Jun 25, 2008	Jul 24, 2008	0.906073
Jul 25, 2008	Aug 22, 2008	0.894278
Aug 25, 2008	Sep 24, 2008	0.889877
Sep 25, 2008	Oct 24, 2008	0.884551
Oct 27, 2008	Nov 24, 2008	0.869929
Nov 25, 2008	Dec 24, 2008	0.856234
Dec 26, 2008	Jan 23, 2009	
Jan 26, 2009	Feb 24, 2009	0.855633
Feb 25, 2009	Mar 24, 2009	0.842589
Mar 25, 2009	Apr 24, 2009	0.822142
Apr 27, 2009	May 22, 2009	0.787994
May 26, 2009	Jun 24, 2009	0.782455
Jun 25, 2009	Jul 24, 2009	0.755996
Jul 27, 2009	Aug 24, 2009	0.741457
Aug 25, 2009	Sep 24, 2009	0.727006 0.708947
Sep 25, 2009	Oct 23, 2009	0.675043
Oct 26, 2009	Nov 24, 2009	0.662051
Nov 25, 2009	Dec 24, 2009	0.650366
Dec 28, 2009	Jan 22, 2010	0.635433
Jan 25, 2010	Feb 24, 2010	0.622825
Feb 25, 2010	Mar 24, 2010	0.617289
Mar 25, 2010	Apr 23, 2010	0.608272
Apr 26, 2010	May 24, 2010	0.592302
May 25, 2010	Jun 24, 2010	0.553836
Jun 25, 2010	Jul 23, 2010	0.548568
Jul 26, 2010	Aug 24, 2010	0.521288
Aug 25, 2010	Sep 24, 2010	0.506968
Sep 27, 2010	Oct 22, 2010	0.485525
Oct 25, 2010	Nov 24, 2010	0.459197
Nov 26, 2010	Dec 23, 2010	0.451029
Dec 27, 2010	Jan 24, 2011	0.433099
Jan 25, 2011	Feb 24, 2011	0.411913
Feb 25, 2011	Mar 24, 2011	0.378289
Mar 25, 2011	Apr 22, 2011	0.372438
Apr 25, 2011	May 24, 2011	0.338953
May 25, 2011	Jun 24, 2011	0.314445
Jun 27, 2011	Jul 22, 2011	0.295991
Jul 25, 2011	Aug 24, 2011	0.251131

3A3 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.246125
Sep 26, 2011	Oct 24, 2011	0.241518
Oct 25, 2011	Nov 23, 2011	0.238738
Nov 25, 2011	Dec 23, 2011	0.236445
Dec 27, 2011	Jan 24, 2012	0.233926
Jan 25, 2012	Feb 24, 2012	0.230652
Feb 27, 2012	Mar 23, 2012	0.224799
Mar 26, 2012	Apr 24, 2012	0.223057
Apr 25, 2012	May 24, 2012	0.219217
May 25, 2012	Jun 22, 2012	0.216619
Jun 25, 2012	Jul 24, 2012	0.213661
Jul 25, 2012	Aug 24, 2012	0.210067
Aug 27, 2012	Sep 24, 2012	0.207323
Sep 25, 2012	Oct 24, 2012	0.205820
Oct 25, 2012	Nov 23, 2012	0.202965
Nov 26, 2012	Dec 24, 2012	0.200489
Dec 26, 2012	Jan 24, 2013	0.197555
Jan 25, 2013	Feb 22, 2013	0.194553
Feb 25, 2013	Mar 22, 2013	0.188329
Mar 25, 2013	Apr 24, 2013	0.186313
Apr 25, 2013	May 24, 2013	0.183858
May 28, 2013	Jun 24, 2013	0.179040
Jun 25, 2013	Jul 24, 2013	0.174387
Jul 25, 2013	Aug 23, 2013	0.173034
Aug 26, 2013	Sep 24, 2013	0.168636
Sep 25, 2013	Oct 24, 2013	0.165524
Oct 25, 2013	Nov 22, 2013	0.163026
Nov 25, 2013	Dec 24, 2013	0.158951
Dec 26, 2013	Jan 24, 2014	0.156325
Jan 27, 2014	Feb 24, 2014	0.154572
Feb 25, 2014	Mar 24, 2014	0.153272
Mar 25, 2014	Apr 24, 2014	0.152230
Apr 25, 2014	May 23, 2014	0.150498
May 27, 2014	Jun 24, 2014	0.148958
Jun 25, 2014	Jul 24, 2014	0.146934
Jul 25, 2014	Aug 22, 2014	0.145277
Aug 25, 2014	Sep 24, 2014	0.142335
Sep 25, 2014	Oct 24, 2014	0.140003
Oct 27, 2014	Nov 24, 2014	0.138718
Nov 25, 2014	Dec 24, 2014	0.136436
Dec 26, 2014	Jan 23, 2015	0.136436
Jan 26, 2015	Feb 24, 2015	0.134680
Feb 25, 2015	Mar 24, 2015	0.134016
Mar 25, 2015	Apr 24, 2015	0.132400
Apr 27, 2015	May 22, 2015	0.131228
May 26, 2015	Jun 24, 2015	0.129247
Jun 25, 2015		0.125480

3A4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

3A4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.980065
Sep 26, 2011	Oct 24, 2011	0.961720
Oct 25, 2011	Nov 23, 2011	0.950653
Nov 25, 2011	Dec 23, 2011	0.941522
Dec 27, 2011	Jan 24, 2012	0.931488
Jan 25, 2012	Feb 24, 2012	0.918454
Feb 27, 2012	Mar 23, 2012	0.895145
Mar 26, 2012	Apr 24, 2012	0.888211
Apr 25, 2012	May 24, 2012	0.872917
May 25, 2012	Jun 22, 2012	0.862573
Jun 25, 2012	Jul 24, 2012	0.850796
Jul 25, 2012	Aug 24, 2012	0.836484
Aug 27, 2012	Sep 24, 2012	0.825558
Sep 25, 2012	Oct 24, 2012	0.819574
Oct 25, 2012	Nov 23, 2012	0.808206
Nov 26, 2012	Dec 24, 2012	0.798345
Dec 26, 2012	Jan 24, 2013	0.786660
Jan 25, 2013	Feb 22, 2013	0.774706
Feb 25, 2013	Mar 22, 2013	0.749923
Mar 25, 2013	Apr 24, 2013	0.741896
Apr 25, 2013	May 24, 2013	0.732118
May 28, 2013	Jun 24, 2013	0.712937
Jun 25, 2013	Jul 24, 2013	0.694407
Jul 25, 2013	Aug 23, 2013	0.689019
Aug 26, 2013	Sep 24, 2013	0.671506
Sep 25, 2013	Oct 24, 2013	0.659115
Oct 25, 2013	Nov 22, 2013	0.649169
Nov 25, 2013	Dec 24, 2013	0.632942
Dec 26, 2013	Jan 24, 2014	0.622485
Jan 27, 2014	Feb 24, 2014	0.615502
Feb 25, 2014	Mar 24, 2014	0.610327
Mar 25, 2014	Apr 24, 2014	0.606179
Apr 25, 2014	May 23, 2014	0.599282
May 27, 2014	Jun 24, 2014	0.593150
Jun 25, 2014	Jul 24, 2014	0.585089
Jul 25, 2014	Aug 22, 2014	0.578490
Aug 25, 2014	Sep 24, 2014	0.566778
Sep 25, 2014	Oct 24, 2014	0.557489
Oct 27, 2014	Nov 24, 2014	0.552371
Nov 25, 2014	Dec 24, 2014	0.543285
Dec 26, 2014	Jan 23, 2015	0.543285
Jan 26, 2015	Feb 24, 2015	0.536295
Feb 25, 2015	Mar 24, 2015	0.533648
Mar 25, 2015	Apr 24, 2015	0.527215
Apr 27, 2015	May 22, 2015	0.522549
May 26, 2015	Jun 24, 2015	0.514658
Jun 25, 2015		0.499660

2A3M Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Jul 23, 2011	1148 27, 2011	1.000000

2A3M Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.980065
Sep 26, 2011	Oct 24, 2011	0.961720
Oct 25, 2011	Nov 23, 2011	0.950653
Nov 25, 2011	Dec 23, 2011	0.941522
Dec 27, 2011	Jan 24, 2012	0.931488
Jan 25, 2012	Feb 24, 2012	0.918454
Feb 27, 2012	Mar 23, 2012	0.895145
Mar 26, 2012	Apr 24, 2012	0.888211
Apr 25, 2012	May 24, 2012	0.872917
May 25, 2012	Jun 22, 2012	0.862573
Jun 25, 2012	Jul 24, 2012	0.850796
Jul 25, 2012	Aug 24, 2012	0.833573
Aug 27, 2012	Sep 24, 2012	0.819232
Sep 25, 2012	Oct 24, 2012	0.812002
Oct 25, 2012	Nov 23, 2012	0.799056
Nov 26, 2012	Dec 24, 2012	0.789030
Dec 26, 2012	Jan 24, 2013	0.776126
Jan 25, 2013	Feb 22, 2013	0.756798
Feb 25, 2013	Mar 22, 2013	0.732589
Mar 25, 2013	Apr 24, 2013	0.722232
Apr 25, 2013	May 24, 2013	0.711673
May 28, 2013	Jun 24, 2013	0.695082
Jun 25, 2013	Jul 24, 2013	0.676970
Jul 25, 2013	Aug 23, 2013	0.667492
Aug 26, 2013	Sep 24, 2013	0.652281
Sep 25, 2013	Oct 24, 2013	0.639898
Oct 25, 2013	Nov 22, 2013	0.630266
Nov 25, 2013	Dec 24, 2013	0.613330
Dec 26, 2013	Jan 24, 2014	0.603196
Jan 27, 2014	Feb 24, 2014	0.592837
Feb 25, 2014	Mar 24, 2014	0.586621
Mar 25, 2014	Apr 24, 2014	0.585635
Apr 25, 2014	May 23, 2014	0.577597
May 27, 2014	Jun 24, 2014	0.567973
Jun 25, 2014	Jul 24, 2014	0.560253
Jul 25, 2014	Aug 22, 2014	0.553926
Aug 25, 2014	Sep 24, 2014	0.542010
Sep 25, 2014	Oct 24, 2014	0.533223
Oct 27, 2014	Nov 24, 2014	0.528335
Nov 25, 2014	Dec 24, 2014	0.524855
Dec 26, 2014	Jan 23, 2015	0.521796
Jan 26, 2015	Feb 24, 2015	0.515789
Feb 25, 2015	Mar 24, 2015	0.513244
Mar 25, 2015	Apr 24, 2015	0.507057
Apr 27, 2015	May 22, 2015	0.505817
May 26, 2015	Jun 24, 2015	0.501600
Jun 25, 2015		0.492688

2A3S Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

2A3S Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.980065
Sep 26, 2011	Oct 24, 2011	0.961720
Oct 25, 2011	Nov 23, 2011	0.950653
Nov 25, 2011	Dec 23, 2011	0.941522
Dec 27, 2011	Jan 24, 2012	0.931488
Jan 25, 2012	Feb 24, 2012	0.918454
Feb 27, 2012	Mar 23, 2012	0.895145
Mar 26, 2012	Apr 24, 2012	0.888211
Apr 25, 2012	May 24, 2012	0.872917
May 25, 2012	Jun 22, 2012	0.862573
Jun 25, 2012	Jul 24, 2012	0.850796
Jul 25, 2012	Aug 24, 2012	0.833573
Aug 27, 2012	Sep 24, 2012	0.819232
Sep 25, 2012	Oct 24, 2012	0.812002
Oct 25, 2012	Nov 23, 2012	0.799056
Nov 26, 2012	Dec 24, 2012	0.789030
Dec 26, 2012	Jan 24, 2013	0.776126
Jan 25, 2013	Feb 22, 2013	0.756798
Feb 25, 2013	Mar 22, 2013	0.732589
Mar 25, 2013	Apr 24, 2013	0.722232
Apr 25, 2013	May 24, 2013	0.711673
May 28, 2013	Jun 24, 2013	0.695082
Jun 25, 2013	Jul 24, 2013	0.676970
Jul 25, 2013	Aug 23, 2013	0.667492
Aug 26, 2013	Sep 24, 2013	0.652281
Sep 25, 2013	Oct 24, 2013	0.639898
Oct 25, 2013	Nov 22, 2013	0.630266
Nov 25, 2013	Dec 24, 2013	0.613330
Dec 26, 2013	Jan 24, 2014	0.603196
Jan 27, 2014	Feb 24, 2014	0.592837
Feb 25, 2014	Mar 24, 2014	0.586621
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

2A3L Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1148 27, 2011	1.000000

2A3L Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.980065
Sep 26, 2011	Oct 24, 2011	0.961720
Oct 25, 2011	Nov 23, 2011	0.950653
Nov 25, 2011	Dec 23, 2011	0.941522
Dec 27, 2011	Jan 24, 2012	0.931488
Jan 25, 2012	Feb 24, 2012	0.918454
Feb 27, 2012	Mar 23, 2012	0.895145
Mar 26, 2012	Apr 24, 2012	0.888211
Apr 25, 2012	May 24, 2012	0.872917
May 25, 2012	Jun 22, 2012	0.862573
Jun 25, 2012	Jul 24, 2012	0.850796
Jul 25, 2012	Aug 24, 2012	0.833573
Aug 27, 2012	Sep 24, 2012	0.819232
Sep 25, 2012	Oct 24, 2012	0.812002
Oct 25, 2012	Nov 23, 2012	0.799056
Nov 26, 2012	Dec 24, 2012	0.789030
Dec 26, 2012	Jan 24, 2013	0.776126
Jan 25, 2013	Feb 22, 2013	0.756798
Feb 25, 2013	Mar 22, 2013	0.732589
Mar 25, 2013	Apr 24, 2013	0.722232
Apr 25, 2013	May 24, 2013	0.711673
May 28, 2013	Jun 24, 2013	0.695082
Jun 25, 2013	Jul 24, 2013	0.676970
Jul 25, 2013	Aug 23, 2013	0.667492
Aug 26, 2013	Sep 24, 2013	0.652281
Sep 25, 2013	Oct 24, 2013	0.639898
Oct 25, 2013	Nov 22, 2013	0.630266
Nov 25, 2013	Dec 24, 2013	0.613330
Dec 26, 2013	Jan 24, 2014	0.603196
Jan 27, 2014	Feb 24, 2014	0.592837
Feb 25, 2014	Mar 24, 2014	0.586621
Mar 25, 2014	Apr 24, 2014	0.585635
Apr 25, 2014	May 23, 2014	0.577597
May 27, 2014	Jun 24, 2014	0.567973
Jun 25, 2014	Jul 24, 2014	0.560253
Jul 25, 2014	Aug 22, 2014	0.553926
Aug 25, 2014	Sep 24, 2014	0.542010
Sep 25, 2014	Oct 24, 2014	0.533223
Oct 27, 2014	Nov 24, 2014	0.528335
Nov 25, 2014	Dec 24, 2014	0.524855
Dec 26, 2014	Jan 23, 2015	0.521796
Jan 26, 2015	Feb 24, 2015	0.515789
Feb 25, 2015	Mar 24, 2015	0.513244
Mar 25, 2015	Apr 24, 2015	0.507057
Apr 27, 2015	May 22, 2015	0.505817
May 26, 2015	Jun 24, 2015	0.501600
Jun 25, 2015		0.492688

2A3F Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

2A3F Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.980065
Sep 26, 2011	Oct 24, 2011	0.961720
Oct 25, 2011	Nov 23, 2011	0.950653
Nov 25, 2011	Dec 23, 2011	0.941522
Dec 27, 2011	Jan 24, 2012	0.931488
Jan 25, 2012	Feb 24, 2012	0.918454
Feb 27, 2012	Mar 23, 2012	0.895145
Mar 26, 2012	Apr 24, 2012	0.888211
Apr 25, 2012	May 24, 2012	0.872917
May 25, 2012	Jun 22, 2012	0.862573
Jun 25, 2012	Jul 24, 2012	0.850796
Jul 25, 2012	Aug 24, 2012	0.833573
Aug 27, 2012	Sep 24, 2012	0.819232
Sep 25, 2012	Oct 24, 2012	0.812002
Oct 25, 2012	Nov 23, 2012	0.799056
Nov 26, 2012	Dec 24, 2012	0.789030
Dec 26, 2012	Jan 24, 2013	0.776126
Jan 25, 2013	Feb 22, 2013	0.756798
Feb 25, 2013	Mar 22, 2013	0.732589
Mar 25, 2013	Apr 24, 2013	0.722232
Apr 25, 2013	May 24, 2013	0.711673
May 28, 2013	Jun 24, 2013	0.695082
Jun 25, 2013	Jul 24, 2013	0.676970
Jul 25, 2013	Aug 23, 2013	0.667492
Aug 26, 2013	Sep 24, 2013	0.652281
Sep 25, 2013	Oct 24, 2013	0.639898
Oct 25, 2013	Nov 22, 2013	0.630266
Nov 25, 2013	Dec 24, 2013	0.613330
Dec 26, 2013	Jan 24, 2014	0.603196
Jan 27, 2014	Feb 24, 2014	0.592837
Feb 25, 2014	Mar 24, 2014	0.586621
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

3A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.996633
Jul 25, 2007	Aug 24, 2007	0.992169
Aug 27, 2007	Sep 24, 2007	0.988378
Sep 25, 2007	Oct 24, 2007	0.982443
Oct 25, 2007	Nov 23, 2007	0.977453
Nov 26, 2007	Dec 24, 2007	0.976009
Dec 26, 2007	Jan 24, 2008	0.971239
Jan 25, 2008	Feb 22, 2008	0.964292
Feb 25, 2008	Mar 24, 2008	0.963231
Mar 25, 2008	Apr 24, 2008	0.952439
Apr 25, 2008	May 23, 2008	0.945530
May 27, 2008	Jun 24, 2008	0.936888
Jun 25, 2008	Jul 24, 2008	0.929470
Jul 25, 2008	Aug 22, 2008	0.920613
Aug 25, 2008	Sep 24, 2008	0.917308
Sep 25, 2008	Oct 24, 2008	0.913309
Oct 27, 2008	Nov 24, 2008	0.902329
Nov 25, 2008	Dec 24, 2008	0.892046
Dec 26, 2008	Jan 23, 2009	0.891595
Jan 26, 2009	Feb 24, 2009	0.881800
Feb 25, 2009	Mar 24, 2009	0.866446
Mar 25, 2009	Apr 24, 2009	0.840804
Apr 27, 2009	May 22, 2009	0.836645
May 26, 2009	Jun 24, 2009	0.816777
Jun 25, 2009	Jul 24, 2009	0.805860
Jul 27, 2009	Aug 24, 2009	0.795008
Aug 25, 2009	Sep 24, 2009	0.781448
Sep 25, 2009	Oct 23, 2009	0.755989
Oct 26, 2009	Nov 24, 2009	0.746233
Nov 25, 2009	Dec 24, 2009	0.737459
Dec 28, 2009	Jan 22, 2010	0.726246
Jan 25, 2010	Feb 24, 2010	0.716778
Feb 25, 2010	Mar 24, 2010	0.712622
Mar 25, 2010	Apr 23, 2010	0.705850
Apr 26, 2010	May 24, 2010	0.693859
May 25, 2010	Jun 24, 2010	0.664974
Jun 25, 2010	Jul 23, 2010	0.661019
Jul 26, 2010	Aug 24, 2010	0.640534
Aug 25, 2010	Sep 24, 2010	0.629781
Sep 27, 2010	Oct 22, 2010	0.613680
Oct 25, 2010	Nov 24, 2010	0.593910
Nov 26, 2010	Dec 23, 2010	0.587776
Dec 27, 2010	Jan 24, 2011	0.574313
Jan 25, 2011	Feb 24, 2011	0.558404
Feb 25, 2011	Mar 24, 2011	0.533156
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.528762
May 25, 2011	Jun 24, 2011	0.503618
Jun 27, 2011	Jul 22, 2011	0.485216
Jul 25, 2011	Aug 24, 2011	0.471358
JUI 23, 2011	1146 27, 2011	0.437673

3A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.428947
Sep 26, 2011	Oct 24, 2011	0.420919
Oct 25, 2011	Nov 23, 2011	0.416075
Nov 25, 2011	Dec 23, 2011	0.412078
Dec 27, 2011	Jan 24, 2012	0.407687
Jan 25, 2012	Feb 24, 2012	0.401982
Feb 27, 2012	Mar 23, 2012	0.391780
Mar 26, 2012	Apr 24, 2012	0.388746
Apr 25, 2012	May 24, 2012	0.382052
May 25, 2012	Jun 22, 2012	0.377525
Jun 25, 2012	Jul 24, 2012	0.372370
Jul 25, 2012	Aug 24, 2012	0.366106
Aug 27, 2012	Sep 24, 2012	0.361324
Sep 25, 2012	Oct 24, 2012	0.358705
Oct 25, 2012	Nov 23, 2012	0.353729
Nov 26, 2012	Dec 24, 2012	0.349414
Dec 26, 2012	Jan 24, 2013	0.344299
Jan 25, 2013	Feb 22, 2013	0.339067
Feb 25, 2013	Mar 22, 2013	0.328221
Mar 25, 2013	Apr 24, 2013	0.324707
Apr 25, 2013	May 24, 2013	0.320428
May 28, 2013	Jun 24, 2013	0.312033
Jun 25, 2013	Jul 24, 2013	0.303923
Jul 25, 2013	Aug 23, 2013	0.301565
Aug 26, 2013	Sep 24, 2013	0.293900
Sep 25, 2013	Oct 24, 2013	0.288477
Oct 25, 2013	Nov 22, 2013	0.284123
Nov 25, 2013	Dec 24, 2013	0.277021
Dec 26, 2013	Jan 24, 2014	0.272445
Jan 27, 2014	Feb 24, 2014	0.269389
Feb 25, 2014	Mar 24, 2014	0.267124
Mar 25, 2014	Apr 24, 2014	0.265308
Apr 25, 2014	May 23, 2014	0.262289
May 27, 2014	Jun 24, 2014	0.259605
Jun 25, 2014	Jul 24, 2014	0.256077
Jul 25, 2014	Aug 22, 2014	0.253189
Aug 25, 2014	Sep 24, 2014	0.248063
Sep 25, 2014	Oct 24, 2014	0.243998
Oct 27, 2014	Nov 24, 2014	0.241758
Nov 25, 2014	Dec 24, 2014	0.237781
Dec 26, 2014	Jan 23, 2015	0.237781
Jan 26, 2015	Feb 24, 2015	0.234721
Feb 25, 2015	Mar 24, 2015	0.233563
Mar 25, 2015	Apr 24, 2015	0.230747
Apr 27, 2015	May 22, 2015	0.228705
May 26, 2015	Jun 24, 2015	0.225252
Jun 25, 2015		0.218687

3A4M Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

3A4M Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.980065
Sep 26, 2011	Oct 24, 2011	0.961720
Oct 25, 2011	Nov 23, 2011	0.950653
Nov 25, 2011	Dec 23, 2011	0.941522
Dec 27, 2011	Jan 24, 2012	0.931488
Jan 25, 2012	Feb 24, 2012	0.918454
Feb 27, 2012	Mar 23, 2012	0.895145
Mar 26, 2012	Apr 24, 2012	0.888211
Apr 25, 2012	May 24, 2012	0.872917
May 25, 2012	Jun 22, 2012	0.862573
Jun 25, 2012	Jul 24, 2012	0.850796
Jul 25, 2012	Aug 24, 2012	0.836484
Aug 27, 2012	Sep 24, 2012	0.825558
Sep 25, 2012	Oct 24, 2012	0.819574
Oct 25, 2012	Nov 23, 2012	0.808206
Nov 26, 2012	Dec 24, 2012	0.798345
Dec 26, 2012	Jan 24, 2013	0.786660
Jan 25, 2013	Feb 22, 2013	0.774706
Feb 25, 2013	Mar 22, 2013	0.749923
Mar 25, 2013	Apr 24, 2013	0.741896
Apr 25, 2013	May 24, 2013	0.732118
May 28, 2013	Jun 24, 2013	0.712937
Jun 25, 2013	Jul 24, 2013	0.694407
Jul 25, 2013	Aug 23, 2013	0.689019
Aug 26, 2013	Sep 24, 2013	0.671506
Sep 25, 2013	Oct 24, 2013	0.659115
Oct 25, 2013	Nov 22, 2013	0.649169
Nov 25, 2013	Dec 24, 2013	0.632942
Dec 26, 2013	Jan 24, 2014	0.622485
Jan 27, 2014	Feb 24, 2014	0.615502
Feb 25, 2014	Mar 24, 2014	0.610327
Mar 25, 2014	Apr 24, 2014	0.606179
Apr 25, 2014	May 23, 2014	0.599282
May 27, 2014	Jun 24, 2014	0.593150
Jun 25, 2014	Jul 24, 2014	0.585089
Jul 25, 2014	Aug 22, 2014	0.578490
Aug 25, 2014	Sep 24, 2014	0.566778
Sep 25, 2014	Oct 24, 2014	0.557489
Oct 27, 2014	Nov 24, 2014	0.552371
Nov 25, 2014	Dec 24, 2014	0.543285
Dec 26, 2014	Jan 23, 2015	0.543285
Jan 26, 2015	Feb 24, 2015	0.536295
Feb 25, 2015	Mar 24, 2015	0.533648
Mar 25, 2015	Apr 24, 2015	0.527215
Apr 27, 2015	May 22, 2015	0.522549
May 26, 2015	Jun 24, 2015	0.514658
Jun 25, 2015		0.499660

3A4S Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

3A4S Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.980065
Sep 26, 2011	Oct 24, 2011	0.961720
Oct 25, 2011	Nov 23, 2011	0.950653
Nov 25, 2011	Dec 23, 2011	0.941522
Dec 27, 2011	Jan 24, 2012	0.931488
Jan 25, 2012	Feb 24, 2012	0.918454
Feb 27, 2012	Mar 23, 2012	0.895145
Mar 26, 2012	Apr 24, 2012	0.888211
Apr 25, 2012	May 24, 2012	0.872917
May 25, 2012	Jun 22, 2012	0.862573
Jun 25, 2012	Jul 24, 2012	0.850796
Jul 25, 2012	Aug 24, 2012	0.836484
Aug 27, 2012	Sep 24, 2012	0.825558
Sep 25, 2012	Oct 24, 2012	0.819574
Oct 25, 2012	Nov 23, 2012	0.808206
Nov 26, 2012	Dec 24, 2012	0.798345
Dec 26, 2012	Jan 24, 2013	0.786660
Jan 25, 2013	Feb 22, 2013	0.774706
Feb 25, 2013	Mar 22, 2013	0.749923
Mar 25, 2013	Apr 24, 2013	0.741896
Apr 25, 2013	May 24, 2013	0.732118
May 28, 2013	Jun 24, 2013	0.712937
Jun 25, 2013	Jul 24, 2013	0.694407
Jul 25, 2013	Aug 23, 2013	0.689019
Aug 26, 2013	Sep 24, 2013	0.671506
Sep 25, 2013	Oct 24, 2013	0.659115
Oct 25, 2013	Nov 22, 2013	0.649169
Nov 25, 2013	Dec 24, 2013	0.632942
Dec 26, 2013	Jan 24, 2014	0.622485
Jan 27, 2014	Feb 24, 2014	0.615502
Feb 25, 2014	Mar 24, 2014	0.610327
Mar 25, 2014	Apr 24, 2014	0.606179
Apr 25, 2014	May 23, 2014	0.599282
May 27, 2014	Jun 24, 2014	0.593150
Jun 25, 2014	Jul 24, 2014	0.585089
Jul 25, 2014	Aug 22, 2014	0.578490
Aug 25, 2014	Sep 24, 2014	0.566778
Sep 25, 2014	Oct 24, 2014	0.557489
Oct 27, 2014	Nov 24, 2014	0.552371
Nov 25, 2014	Dec 24, 2014	0.543285
Dec 26, 2014	Jan 23, 2015	0.543285
Jan 26, 2015	Feb 24, 2015	0.536295
Feb 25, 2015	Mar 24, 2015	0.533648
Mar 25, 2015	Apr 24, 2015	0.527215
Apr 27, 2015	May 22, 2015	0.522549
May 26, 2015	Jun 24, 2015	0.514658
Jun 25, 2015		0.499660

1A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.998655
Jul 25, 2007	Aug 24, 2007	0.997694
Aug 27, 2007	Sep 24, 2007	0.996776
Sep 25, 2007	Oct 24, 2007	0.995819
Oct 25, 2007	Nov 23, 2007	0.994890
Nov 26, 2007	Dec 24, 2007	0.993862
Dec 26, 2007	Jan 24, 2008	0.992897
Jan 25, 2008	Feb 22, 2008	0.991916
Feb 25, 2008	Mar 24, 2008	0.990931
Mar 25, 2008	Apr 24, 2008	0.989982
Apr 25, 2008	May 23, 2008	0.988814
May 27, 2008	Jun 24, 2008	0.987741
Jun 25, 2008	Jul 24, 2008	0.986642
Jul 25, 2008	Aug 22, 2008	0.982023
Aug 25, 2008	Sep 24, 2008	0.980883
Sep 25, 2008	Oct 24, 2008	0.979869
Oct 27, 2008	Nov 24, 2008	0.978847
Nov 25, 2008	Dec 24, 2008	0.977711
Dec 26, 2008	Jan 23, 2009	0.976711
Jan 26, 2009	Feb 24, 2009	0.975667
Feb 25, 2009	Mar 24, 2009	0.974680
Mar 25, 2009	Apr 24, 2009	0.973647
Apr 27, 2009	May 22, 2009	0.971963
May 26, 2009	Jun 24, 2009	0.970961
Jun 25, 2009	Jul 24, 2009	0.969949
Jul 27, 2009	Aug 24, 2009	0.968969
Aug 25, 2009	Sep 24, 2009	0.967955
Sep 25, 2009	Oct 23, 2009	0.871540
Oct 26, 2009	Nov 24, 2009	0.870683
Nov 25, 2009	Dec 24, 2009	0.869824
Dec 28, 2009	Jan 22, 2010	0.859634
Jan 25, 2010	Feb 24, 2010	0.858612
Feb 25, 2010	Mar 24, 2010	0.857731
Mar 25, 2010	Apr 23, 2010	0.855362
Apr 26, 2010	May 24, 2010	0.847488
May 25, 2010	Jun 24, 2010	0.846556
Jun 25, 2010	Jul 23, 2010	0.838354
Jul 26, 2010	Aug 24, 2010	0.837391
Aug 25, 2010	Sep 24, 2010	0.836478
Sep 27, 2010	Oct 22, 2010	0.835562
Oct 25, 2010	Nov 24, 2010	0.834655
Nov 26, 2010	Dec 23, 2010	0.833731
Dec 27, 2010	Jan 24, 2011	0.802211
Jan 25, 2011	Feb 24, 2011	0.801207
Feb 25, 2011	Mar 24, 2011	0.800083
Mar 25, 2011	Apr 22, 2011	0.799183
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.798159
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.797251
Jul 25, 2011	Aug 24, 2011	0.796339
Jul 23, 2011	7ug 27, 2011	0.795421

1A1 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.763807
Sep 26, 2011	Oct 24, 2011	0.762944
Oct 25, 2011	Nov 23, 2011	0.711615
Nov 25, 2011	Dec 23, 2011	0.710837
Dec 27, 2011	Jan 24, 2012	0.710065
Jan 25, 2012	Feb 24, 2012	0.709274
Feb 27, 2012	Mar 23, 2012	0.708500
Mar 26, 2012	Apr 24, 2012	0.602865
Apr 25, 2012	May 24, 2012	0.602287
May 25, 2012	Jun 22, 2012	0.349098
Jun 25, 2012	Jul 24, 2012	0.348694
Jul 25, 2012	Aug 24, 2012	0.348299
Aug 27, 2012	Sep 24, 2012	0.316958
Sep 25, 2012	Oct 24, 2012	0.291021
Oct 25, 2012	Nov 23, 2012	0.275013
Nov 26, 2012	Dec 24, 2012	0.271787
Dec 26, 2012	Jan 24, 2013	0.271486
Jan 25, 2013	Feb 22, 2013	0.199268
Feb 25, 2013	Mar 22, 2013	0.199114
Mar 25, 2013	Apr 24, 2013	0.151732
Apr 25, 2013	May 24, 2013	0.146658
May 28, 2013	Jun 24, 2013	0.146494
Jun 25, 2013	Jul 24, 2013	0.146321
Jul 25, 2013	Aug 23, 2013	0.146157
Aug 26, 2013	Sep 24, 2013	0.146038
Sep 25, 2013	Oct 24, 2013	0.145867
Oct 25, 2013	Nov 22, 2013	0.124985
Nov 25, 2013	Dec 24, 2013	0.124815
Dec 26, 2013	Jan 24, 2014	0.124660
Jan 27, 2014	Feb 24, 2014	0.124488
Feb 25, 2014	Mar 24, 2014	0.124375
Mar 25, 2014	Apr 24, 2014	0.124201
Apr 25, 2014	May 23, 2014	0.124059
May 27, 2014	Jun 24, 2014	0.123897
Jun 25, 2014	Jul 24, 2014	0.123727
Jul 25, 2014	Aug 22, 2014	0.123558
Aug 25, 2014	Sep 24, 2014	0.122187
Sep 25, 2014	Oct 24, 2014	0.122058
Oct 27, 2014	Nov 24, 2014	0.121924
Nov 25, 2014	Dec 24, 2014	0.121791
Dec 26, 2014	Jan 23, 2015	0.121662
Jan 26, 2015	Feb 24, 2015	0.121567
Feb 25, 2015	Mar 24, 2015	0.121418
Mar 25, 2015	Apr 24, 2015	0.121288
Apr 27, 2015	May 22, 2015	0.121143
May 26, 2015	Jun 24, 2015	0.121063
Jun 25, 2015		0.120978

1A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999243
Jul 25, 2007	Aug 24, 2007	0.997874
Aug 27, 2007	Sep 24, 2007	0.997217
Sep 25, 2007	Oct 24, 2007	0.992359
Oct 25, 2007	Nov 23, 2007	0.991681
Nov 26, 2007	Dec 24, 2007	0.990942
Dec 26, 2007	Jan 24, 2008	0.990222
Jan 25, 2008	Feb 22, 2008	0.989492
Feb 25, 2008	Mar 24, 2008	0.986482
Mar 25, 2008	Apr 24, 2008	0.985760
Apr 25, 2008	May 23, 2008	0.980126
May 27, 2008	Jun 24, 2008	0.979323
Jun 25, 2008	Jul 24, 2008	0.975512
Jul 25, 2008	Aug 22, 2008	0.968183
Aug 25, 2008	Sep 24, 2008	0.958628
Sep 25, 2008	Oct 24, 2008	0.954761
Oct 27, 2008	Nov 24, 2008	0.946100
Nov 25, 2008	Dec 24, 2008	0.939404
Dec 26, 2008	Jan 23, 2009	0.935788
Jan 26, 2009	Feb 24, 2009	0.930866
Feb 25, 2009	Mar 24, 2009	0.922136
Mar 25, 2009	Apr 24, 2009	0.907144
Apr 27, 2009	May 22, 2009	0.897051
May 26, 2009	Jun 24, 2009	0.879270
Jun 25, 2009	Jul 24, 2009	0.876127
Jul 27, 2009	Aug 24, 2009	0.871002
Aug 25, 2009	Sep 24, 2009	0.861066
Sep 25, 2009	Oct 23, 2009	0.851863
Oct 26, 2009	Nov 24, 2009	0.848150
Nov 25, 2009	Dec 24, 2009	0.846420
Dec 28, 2009	Jan 22, 2010	0.838028
Jan 25, 2010	Feb 24, 2010	0.832764
Feb 25, 2010	Mar 24, 2010	0.830304
Mar 25, 2010	Apr 23, 2010	0.826604
Apr 26, 2010	May 24, 2010	0.820754
May 25, 2010	Jun 24, 2010	0.805995
Jun 25, 2010	Jul 23, 2010	0.795910
Jul 26, 2010	Aug 24, 2010	0.793749
Aug 25, 2010	Sep 24, 2010	0.780854
Sep 27, 2010	Oct 22, 2010	0.763913
Oct 25, 2010	Nov 24, 2010	0.758376
Nov 26, 2010	Dec 23, 2010	0.742727
Dec 27, 2010	Jan 24, 2011	0.729554
Jan 25, 2011	Feb 24, 2011	0.711287
Feb 25, 2011	Mar 24, 2011	0.705070
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.685314
May 25, 2011	Jun 24, 2011	0.680892
Jun 27, 2011	Jul 22, 2011	0.669723
Jul 25, 2011	Aug 24, 2011	0.660468
JUI 23, 2011	1148 27, 2011	0.652340

1A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.645725
Sep 26, 2011	Oct 24, 2011	0.633150
Oct 25, 2011	Nov 23, 2011	0.625151
Nov 25, 2011	Dec 23, 2011	0.618195
Dec 27, 2011	Jan 24, 2012	0.617696
Jan 25, 2012	Feb 24, 2012	0.605099
Feb 27, 2012	Mar 23, 2012	0.598248
Mar 26, 2012	Apr 24, 2012	0.595937
Apr 25, 2012	May 24, 2012	0.589462
May 25, 2012	Jun 22, 2012	0.582333
Jun 25, 2012	Jul 24, 2012	0.581858
Jul 25, 2012	Aug 24, 2012	0.574180
Aug 27, 2012	Sep 24, 2012	0.564446
Sep 25, 2012	Oct 24, 2012	0.556999
Oct 25, 2012	Nov 23, 2012	0.553339
Nov 26, 2012	Dec 24, 2012	0.541026
Dec 26, 2012	Jan 24, 2013	0.536401
Jan 25, 2013	Feb 22, 2013	0.513897
Feb 25, 2013	Mar 22, 2013	0.505544
Mar 25, 2013	Apr 24, 2013	0.503706
Apr 25, 2013	May 24, 2013	0.488731
May 28, 2013	Jun 24, 2013	0.481818
Jun 25, 2013	Jul 24, 2013	0.459413
Jul 25, 2013	Aug 23, 2013	0.457108
Aug 26, 2013	Sep 24, 2013	0.454014
Sep 25, 2013	Oct 24, 2013	0.450736
Oct 25, 2013	Nov 22, 2013	0.443474
Nov 25, 2013	Dec 24, 2013	0.433048
Dec 26, 2013	Jan 24, 2014	0.424469
Jan 27, 2014	Feb 24, 2014	0.420789
Feb 25, 2014	Mar 24, 2014	0.418933
Mar 25, 2014	Apr 24, 2014	0.418500
Apr 25, 2014	May 23, 2014	0.413812
May 27, 2014	Jun 24, 2014	0.409673
Jun 25, 2014	Jul 24, 2014	0.399158
Jul 25, 2014	Aug 22, 2014	0.394497
Aug 25, 2014	Sep 24, 2014	0.385847
Sep 25, 2014	Oct 24, 2014	0.381433
Oct 27, 2014	Nov 24, 2014	0.375778
Nov 25, 2014	Dec 24, 2014	0.372294
Dec 26, 2014	Jan 23, 2015	0.372524
Jan 26, 2015	Feb 24, 2015	0.366991
Feb 25, 2015	Mar 24, 2015	0.362917
Mar 25, 2015	Apr 24, 2015	0.360897
Apr 27, 2015	May 22, 2015	0.360433
May 26, 2015	Jun 24, 2015	0.348854
Jun 25, 2015		0.340827

1A3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997735
Jul 25, 2007	Aug 24, 2007	0.992208
Aug 27, 2007	Sep 24, 2007	0.986325
Sep 25, 2007	Oct 24, 2007	0.980897
Oct 25, 2007	Nov 23, 2007	0.976081
Nov 26, 2007	Dec 24, 2007	0.972452
Dec 26, 2007	Jan 24, 2008	0.968644
Jan 25, 2008	Feb 22, 2008	0.964190
Feb 25, 2008	Mar 24, 2008	0.960205
Mar 25, 2008	Apr 24, 2008	0.952947
Apr 25, 2008	May 23, 2008	0.943166
May 27, 2008	Jun 24, 2008	0.936214
Jun 25, 2008	Jul 24, 2008	0.928096
Jul 25, 2008	Aug 22, 2008	0.920247
Aug 25, 2008	Sep 24, 2008	0.914341
Sep 25, 2008	Oct 24, 2008	0.909617
Oct 27, 2008	Nov 24, 2008	0.904543
Nov 25, 2008	Dec 24, 2008	0.899290
Dec 26, 2008	Jan 23, 2009	0.897383
Jan 26, 2009	Feb 24, 2009	0.893441
Feb 25, 2009	Mar 24, 2009	0.883181
Mar 25, 2009	Apr 24, 2009	0.871527
Apr 27, 2009	May 22, 2009	0.858819
May 26, 2009	Jun 24, 2009	0.847240
Jun 25, 2009	Jul 24, 2009	0.833779
Jul 27, 2009	Aug 24, 2009	0.819516
Aug 25, 2009	Sep 24, 2009	0.812490
Sep 25, 2009	Oct 23, 2009	0.802821
Oct 26, 2009	Nov 24, 2009	0.797916
Nov 25, 2009	Dec 24, 2009	0.790878
Dec 28, 2009	Jan 22, 2010	0.780506
Jan 25, 2010	Feb 24, 2010	0.768292
Feb 25, 2010	Mar 24, 2010	0.761346
Mar 25, 2010	Apr 23, 2010	0.754696
Apr 26, 2010	May 24, 2010	0.746217
May 25, 2010	Jun 24, 2010	0.742655
Jun 25, 2010	Jul 23, 2010	0.734670
Jul 26, 2010	Aug 24, 2010	0.727343
Aug 25, 2010	Sep 24, 2010	0.713596
Sep 27, 2010	Oct 22, 2010	0.701869
Oct 25, 2010	Nov 24, 2010	0.694548
Nov 26, 2010	Dec 23, 2010	0.681002
Dec 27, 2010	Jan 24, 2011	0.669543
Jan 25, 2011	Feb 24, 2011	0.652635
Feb 25, 2011	Mar 24, 2011	0.645905
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.636365
May 25, 2011	Jun 24, 2011	0.630296
Jun 27, 2011	Jul 22, 2011	0.622837
Jul 25, 2011	Aug 24, 2011	0.617065
JUI 23, 2011	1148 27, 2011	0.611343

1A3 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.604667
Sep 26, 2011	Oct 24, 2011	0.596885
Oct 25, 2011	Nov 23, 2011	0.588974
Nov 25, 2011	Dec 23, 2011	0.582936
Dec 27, 2011	Jan 24, 2012	0.575327
Jan 25, 2012	Feb 24, 2012	0.562485
Feb 27, 2012	Mar 23, 2012	0.552295
Mar 26, 2012	Apr 24, 2012	0.547916
Apr 25, 2012	May 24, 2012	0.535700
May 25, 2012	Jun 22, 2012	0.527475
Jun 25, 2012	Jul 24, 2012	0.521775
Jul 25, 2012	Aug 24, 2012	0.514017
Aug 27, 2012	Sep 24, 2012	0.504711
Sep 25, 2012	Oct 24, 2012	0.497083
Oct 25, 2012	Nov 23, 2012	0.485808
Nov 26, 2012	Dec 24, 2012	0.476690
Dec 26, 2012	Jan 24, 2013	0.470859
Jan 25, 2013	Feb 22, 2013	0.460996
Feb 25, 2013	Mar 22, 2013	0.455867
Mar 25, 2013	Apr 24, 2013	0.448903
Apr 25, 2013	May 24, 2013	0.436280
May 28, 2013	Jun 24, 2013	0.425962
Jun 25, 2013	Jul 24, 2013	0.414707
Jul 25, 2013	Aug 23, 2013	0.406344
Aug 26, 2013	Sep 24, 2013	0.398498
Sep 25, 2013	Oct 24, 2013	0.389830
Oct 25, 2013	Nov 22, 2013	0.382595
Nov 25, 2013	Dec 24, 2013	0.377073
Dec 26, 2013	Jan 24, 2014	0.375319
Jan 27, 2014	Feb 24, 2014	0.369532
Feb 25, 2014	Mar 24, 2014	0.366919
Mar 25, 2014	Apr 24, 2014	0.359213
Apr 25, 2014	May 23, 2014	0.358102
May 27, 2014	Jun 24, 2014	0.353788
Jun 25, 2014	Jul 24, 2014	0.349209
Jul 25, 2014	Aug 22, 2014	0.345941
Aug 25, 2014	Sep 24, 2014	0.341886
Sep 25, 2014	Oct 24, 2014	0.339330
Oct 27, 2014	Nov 24, 2014	0.334293
Nov 25, 2014	Dec 24, 2014	0.331442
Dec 26, 2014	Jan 23, 2015	0.327351
Jan 26, 2015	Feb 24, 2015	0.322476
Feb 25, 2015	Mar 24, 2015	0.317647
Mar 25, 2015	Apr 24, 2015	0.313447
Apr 27, 2015	May 22, 2015	0.308991
May 26, 2015	Jun 24, 2015	0.306581
Jun 25, 2015		0.301160

1A4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.998398
Jul 25, 2007	Aug 24, 2007	0.984940
Aug 27, 2007	Sep 24, 2007	0.971024
Sep 25, 2007	Oct 24, 2007	0.959335
Oct 25, 2007	Nov 23, 2007	0.950392
Nov 26, 2007	Dec 24, 2007	0.946103
Dec 26, 2007	Jan 24, 2008	0.941931
Jan 25, 2008	Feb 22, 2008	0.936324
Feb 25, 2008	Mar 24, 2008	0.932977
Mar 25, 2008	Apr 24, 2008	0.919472
Apr 25, 2008	May 23, 2008	0.898288
May 27, 2008	Jun 24, 2008	0.887179
Jun 25, 2008	Jul 24, 2008	0.872883
Jul 25, 2008	Aug 22, 2008	0.860158
Aug 25, 2008	Sep 24, 2008	0.854548
Sep 25, 2008	Oct 24, 2008	0.853520
Oct 27, 2008	Nov 24, 2008	0.851988
Nov 25, 2008	Dec 24, 2008	0.850504
Dec 26, 2008	Jan 23, 2009	0.850503
Jan 26, 2009	Feb 24, 2009	0.850502
Feb 25, 2009	Mar 24, 2009	0.848669
Mar 25, 2009	Apr 24, 2009	0.828431
Apr 27, 2009	May 22, 2009	0.805283
May 26, 2009	Jun 24, 2009	0.786431
Jun 25, 2009	Jul 24, 2009	0.761870
Jul 27, 2009	Aug 24, 2009	0.735143
Aug 25, 2009	Sep 24, 2009	0.732854
Sep 25, 2009	Oct 23, 2009	0.722185
Oct 26, 2009	Nov 24, 2009	0.722184
Nov 25, 2009	Dec 24, 2009	0.722183
Dec 28, 2009	Jan 22, 2010	0.712167
Jan 25, 2010	Feb 24, 2010	0.692701
Feb 25, 2010	Mar 24, 2010	0.690574
Mar 25, 2010	Apr 23, 2010	0.689291
Apr 26, 2010	May 24, 2010	0.681803
May 25, 2010	Jun 24, 2010	0.681802
Jun 25, 2010	Jul 23, 2010	0.681801
Jul 26, 2010	Aug 24, 2010	0.680289
Aug 25, 2010	Sep 24, 2010	0.654782
Sep 27, 2010	Oct 22, 2010	0.635842
Oct 25, 2010	Nov 24, 2010	0.631390
Nov 26, 2010	Dec 23, 2010	0.606150
Dec 27, 2010	Jan 24, 2011	0.587706
Jan 25, 2011	Feb 24, 2011	0.551055
Feb 25, 2011	Mar 24, 2011	0.548040
Mar 25, 2011	Apr 22, 2011	0.535576
Apr 25, 2011	May 24, 2011	0.534497
May 25, 2011	Jun 24, 2011	0.528684
Jun 27, 2011	Jul 22, 2011	0.528340
Jul 25, 2011	Aug 24, 2011	0.528038

1A4 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.524448
Sep 26, 2011	Oct 24, 2011	0.517064
Oct 25, 2011	Nov 23, 2011	0.509127
Nov 25, 2011	Dec 23, 2011	0.504999
Dec 27, 2011	Jan 24, 2012	0.499836
Jan 25, 2012	Feb 24, 2012	0.491833
Feb 27, 2012	Mar 23, 2012	0.485526
Mar 26, 2012	Apr 24, 2012	0.483035
Apr 25, 2012	May 24, 2012	0.474618
May 25, 2012	Jun 22, 2012	0.469538
Jun 25, 2012	Jul 24, 2012	0.466221
Jul 25, 2012	Aug 24, 2012	0.461037
Aug 27, 2012	Sep 24, 2012	0.453869
Sep 25, 2012	Oct 24, 2012	0.448967
Oct 25, 2012	Nov 23, 2012	0.440389
Nov 26, 2012	Dec 24, 2012	0.433456
Dec 26, 2012	Jan 24, 2013	0.429098
Jan 25, 2013	Feb 22, 2013	0.422214
Feb 25, 2013	Mar 22, 2013	0.418542
Mar 25, 2013	Apr 24, 2013	0.413014
Apr 25, 2013	May 24, 2013	0.403779
May 28, 2013	Jun 24, 2013	0.395186
Jun 25, 2013	Jul 24, 2013	0.387023
Jul 25, 2013	Aug 23, 2013	0.380286
Aug 26, 2013	Sep 24, 2013	0.374446
Sep 25, 2013	Oct 24, 2013	0.366533
Oct 25, 2013	Nov 22, 2013	0.360433
Nov 25, 2013	Dec 24, 2013	0.356128
Dec 26, 2013	Jan 24, 2014	0.354816
Jan 27, 2014	Feb 24, 2014	0.350022
Feb 25, 2014	Mar 24, 2014	0.348391
Mar 25, 2014	Apr 24, 2014	0.342047
Apr 25, 2014	May 23, 2014	0.341082
May 27, 2014	Jun 24, 2014	0.337747
Jun 25, 2014	Jul 24, 2014	0.333365
Jul 25, 2014	Aug 22, 2014	0.330544
Aug 25, 2014	Sep 24, 2014	0.327044
Sep 25, 2014	Oct 24, 2014	0.324927
Oct 27, 2014	Nov 24, 2014	0.321482
Nov 25, 2014	Dec 24, 2014	0.318799
Dec 26, 2014	Jan 23, 2015	0.316189
Jan 26, 2015	Feb 24, 2015	0.311608
Feb 25, 2015	Mar 24, 2015	0.307560
Mar 25, 2015	Apr 24, 2015	0.304675
Apr 27, 2015	May 22, 2015	0.300339
May 26, 2015	Jun 24, 2015	0.298087
Jun 25, 2015		0.293682

1A5 Certificate Factor Chart

_	_	
<u>From</u>	<u>To</u> Jun 22, 2007	<u>Factor</u>
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	0.998398
Aug 27, 2007	Sep 24, 2007	0.984940
Sep 25, 2007	Oct 24, 2007	0.971024
Oct 25, 2007	Nov 23, 2007	0.959335
Nov 26, 2007	Dec 24, 2007	0.950392
		0.946103
Dec 26, 2007	Jan 24, 2008	0.941931
Jan 25, 2008	Feb 22, 2008	0.936324
Feb 25, 2008	Mar 24, 2008	0.932977
Mar 25, 2008	Apr 24, 2008	0.919472
Apr 25, 2008	May 23, 2008	0.898288
May 27, 2008	Jun 24, 2008	0.887179
Jun 25, 2008	Jul 24, 2008	0.872883
Jul 25, 2008	Aug 22, 2008	0.860158
Aug 25, 2008	Sep 24, 2008	0.854548
Sep 25, 2008	Oct 24, 2008	0.853520
Oct 27, 2008	Nov 24, 2008	0.851988
Nov 25, 2008	Dec 24, 2008	0.850504
Dec 26, 2008	Jan 23, 2009	0.850503
Jan 26, 2009	Feb 24, 2009	0.850502
Feb 25, 2009	Mar 24, 2009	0.848669
Mar 25, 2009	Apr 24, 2009	0.828431
Apr 27, 2009	May 22, 2009	0.805283
May 26, 2009	Jun 24, 2009	0.786431
Jun 25, 2009	Jul 24, 2009	0.761870
Jul 27, 2009	Aug 24, 2009	0.735143
Aug 25, 2009	Sep 24, 2009	0.732854
Sep 25, 2009	Oct 23, 2009	0.722185
Oct 26, 2009	Nov 24, 2009	0.722184
Nov 25, 2009	Dec 24, 2009	0.722183
Dec 28, 2009	Jan 22, 2010	0.712167
Jan 25, 2010	Feb 24, 2010	0.692701
Feb 25, 2010	Mar 24, 2010	0.690574
Mar 25, 2010	Apr 23, 2010	0.689291
Apr 26, 2010	May 24, 2010	0.681803
May 25, 2010	Jun 24, 2010	0.681802
Jun 25, 2010	Jul 23, 2010	0.681801
Jul 26, 2010	Aug 24, 2010	0.680289
Aug 25, 2010	Sep 24, 2010	0.654782
Sep 27, 2010	Oct 22, 2010	0.635842
Oct 25, 2010	Nov 24, 2010	0.631390
Nov 26, 2010	Dec 23, 2010	0.606150
Dec 27, 2010	Jan 24, 2011	0.587706
Jan 25, 2011	Feb 24, 2011	0.551055
Feb 25, 2011	Mar 24, 2011	0.548040
Mar 25, 2011	Apr 22, 2011	0.535576
Apr 25, 2011	May 24, 2011	0.534497
May 25, 2011	Jun 24, 2011	0.528684
Jun 27, 2011	Jul 22, 2011	0.528340
Jul 25, 2011	Aug 24, 2011	0.528038

1A5 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.524448
Sep 26, 2011	Oct 24, 2011	0.517064
Oct 25, 2011	Nov 23, 2011	0.509127
Nov 25, 2011	Dec 23, 2011	0.504999
Dec 27, 2011	Jan 24, 2012	0.499836
Jan 25, 2012	Feb 24, 2012	0.491833
Feb 27, 2012	Mar 23, 2012	0.485526
Mar 26, 2012	Apr 24, 2012	0.483035
Apr 25, 2012	May 24, 2012	0.474618
May 25, 2012	Jun 22, 2012	0.469538
Jun 25, 2012	Jul 24, 2012	0.466221
Jul 25, 2012	Aug 24, 2012	0.461037
Aug 27, 2012	Sep 24, 2012	0.453869
Sep 25, 2012	Oct 24, 2012	0.448967
Oct 25, 2012	Nov 23, 2012	0.440389
Nov 26, 2012	Dec 24, 2012	0.433456
Dec 26, 2012	Jan 24, 2013	0.429098
Jan 25, 2013	Feb 22, 2013	0.422214
Feb 25, 2013	Mar 22, 2013	0.418542
Mar 25, 2013	Apr 24, 2013	0.413014
Apr 25, 2013	May 24, 2013	0.403779
May 28, 2013	Jun 24, 2013	0.395186
Jun 25, 2013	Jul 24, 2013	0.387023
Jul 25, 2013	Aug 23, 2013	0.380286
Aug 26, 2013	Sep 24, 2013	0.374446
Sep 25, 2013	Oct 24, 2013	0.366533
Oct 25, 2013	Nov 22, 2013	0.360433
Nov 25, 2013	Dec 24, 2013	0.356128
Dec 26, 2013	Jan 24, 2014	0.354816
Jan 27, 2014	Feb 24, 2014	0.350022
Feb 25, 2014	Mar 24, 2014	0.348391
Mar 25, 2014	Apr 24, 2014	0.342047
Apr 25, 2014	May 23, 2014	0.341082
May 27, 2014	Jun 24, 2014	0.337747
Jun 25, 2014	Jul 24, 2014	0.333365
Jul 25, 2014	Aug 22, 2014	0.330544
Aug 25, 2014	Sep 24, 2014	0.327044
Sep 25, 2014	Oct 24, 2014	0.324927
Oct 27, 2014	Nov 24, 2014	0.321482
Nov 25, 2014	Dec 24, 2014	0.318799
Dec 26, 2014	Jan 23, 2015	0.316189
Jan 26, 2015	Feb 24, 2015	0.311608
Feb 25, 2015	Mar 24, 2015	0.307560
Mar 25, 2015	Apr 24, 2015	0.304675
Apr 27, 2015	May 22, 2015	0.300339
May 26, 2015	Jun 24, 2015	0.298087
Jun 25, 2015		0.293682

1A6 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.000000
Jul 25, 2007	Aug 24, 2007	0.000000
Aug 27, 2007	Sep 24, 2007	0.000000
Sep 25, 2007	Oct 24, 2007	0.000000
Oct 25, 2007	Nov 23, 2007	0.000000
Nov 26, 2007	Dec 24, 2007	0.000000
Dec 26, 2007	Jan 24, 2008	0.000000
Jan 25, 2008	Feb 22, 2008	0.000000
Feb 25, 2008	Mar 24, 2008	0.000000
Mar 25, 2008	Apr 24, 2008	0.000000
Apr 25, 2008	May 23, 2008	0.000000
May 27, 2008	Jun 24, 2008	0.000000
Jun 25, 2008	Jul 24, 2008	0.000000
Jul 25, 2008	Aug 22, 2008	0.000000
Aug 25, 2008	Sep 24, 2008	0.000000
Sep 25, 2008	Oct 24, 2008	0.000000
Oct 27, 2008	Nov 24, 2008	0.000000
Nov 25, 2008	Dec 24, 2008	0.000000
Dec 26, 2008	Jan 23, 2009	0.000000
Jan 26, 2009	Feb 24, 2009	0.000000
Feb 25, 2009	Mar 24, 2009	0.000000
Mar 25, 2009	Apr 24, 2009	0.000000
Apr 27, 2009	May 22, 2009	0.000000
May 26, 2009	Jun 24, 2009	0.000000
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Jul 23, 2011	7u6 27, 2011	0.000000

1A6 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.00000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A7 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.005000
Jul 25, 2007	Aug 24, 2007	1.010025
Aug 27, 2007	Sep 24, 2007	1.015075
Sep 25, 2007	Oct 24, 2007	1.020151
Oct 25, 2007	Nov 23, 2007	1.025251
Nov 26, 2007	Dec 24, 2007	1.030378
Dec 26, 2007	Jan 24, 2008	1.035529
Jan 25, 2008	Feb 22, 2008	1.040707
Feb 25, 2008	Mar 24, 2008	1.045911
Mar 25, 2008	Apr 24, 2008	1.051140
Apr 25, 2008	May 23, 2008	1.056396
May 27, 2008	Jun 24, 2008	1.061677
Jun 25, 2008	Jul 24, 2008	1.066986
Jul 25, 2008	Aug 22, 2008	1.072320
Aug 25, 2008	Sep 24, 2008	1.077682
Sep 25, 2008	Oct 24, 2008	1.083070
Oct 27, 2008	Nov 24, 2008	1.088486
Nov 25, 2008	Dec 24, 2008	1.093928
Dec 26, 2008	Jan 23, 2009	1.099398
Jan 26, 2009	Feb 24, 2009	1.104895
Feb 25, 2009	Mar 24, 2009	1.110419
Mar 25, 2009	Apr 24, 2009	1.115971
Apr 27, 2009	May 22, 2009	1.121551
May 26, 2009	Jun 24, 2009	1.127159
Jun 25, 2009	Jul 24, 2009	1.132790
Jul 27, 2009	Aug 24, 2009	1.138454
Aug 25, 2009	Sep 24, 2009	1.144146
Sep 25, 2009	Oct 23, 2009	1.149867
Oct 26, 2009	Nov 24, 2009	1.155616
Nov 25, 2009	Dec 24, 2009	1.161389
Dec 28, 2009	Jan 22, 2010	1.167196
Jan 25, 2010	Feb 24, 2010	1.173032
Feb 25, 2010	Mar 24, 2010	1.178897
Mar 25, 2010	Apr 23, 2010	1.184789
Apr 26, 2010	May 24, 2010	1.190713
May 25, 2010	Jun 24, 2010	1.196666
Jun 25, 2010	Jul 23, 2010	1.202649
Jul 26, 2010	Aug 24, 2010	1.208663
Aug 25, 2010	Sep 24, 2010	1.214706
Sep 27, 2010	Oct 22, 2010	1.220779
Oct 25, 2010	Nov 24, 2010	1.226883
Nov 26, 2010	Dec 23, 2010	1.233016
Dec 27, 2010	Jan 24, 2011	1.239181
Jan 25, 2011	Feb 24, 2011	1.245376
Feb 25, 2011	Mar 24, 2011	1.251603
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.257861
May 25, 2011	Jun 24, 2011	1.264150
Jun 27, 2011	Jul 22, 2011	1.270471
Jul 25, 2011	Aug 24, 2011	1.276823
JUI 23, 2011	1146 27, 2011	1.283207

1A7 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.289623
Sep 26, 2011	Oct 24, 2011	1.296061
Oct 25, 2011	Nov 23, 2011	1.302541
Nov 25, 2011	Dec 23, 2011	1.295687
Dec 27, 2011	Jan 24, 2012	1.285228
Jan 25, 2012	Feb 24, 2012	1.262919
Feb 27, 2012	Mar 23, 2012	1.246319
Mar 26, 2012	Apr 24, 2012	1.242652
Apr 25, 2012	May 24, 2012	1.221129
May 25, 2012	Jun 22, 2012	1.208457
Jun 25, 2012	Jul 24, 2012	1.201416
Jul 25, 2012	Aug 24, 2012	1.189527
Aug 27, 2012	Sep 24, 2012	1.173923
Sep 25, 2012	Oct 24, 2012	1.162025
Oct 25, 2012	Nov 23, 2012	1.141451
Nov 26, 2012	Dec 24, 2012	1.125715
Dec 26, 2012	Jan 24, 2013	1.117562
Jan 25, 2013	Feb 22, 2013	1.099711
Feb 25, 2013	Mar 22, 2013	1.092962
Mar 25, 2013	Apr 24, 2013	1.081713
Apr 25, 2013	May 24, 2013	1.056641
May 28, 2013	Jun 24, 2013	1.036915
Jun 25, 2013	Jul 24, 2013	1.014671
Jul 25, 2013	Aug 23, 2013	0.999268
Aug 26, 2013	Sep 24, 2013	0.984949
Sep 25, 2013	Oct 24, 2013	0.968446
Oct 25, 2013	Nov 22, 2013	0.955302
Nov 25, 2013	Dec 24, 2013	0.946267
Dec 26, 2013	Jan 24, 2014	0.946591
Jan 27, 2014	Feb 24, 2014	0.936721
Feb 25, 2014	Mar 24, 2014	0.934767
Mar 25, 2014	Apr 24, 2014	0.915133
Apr 25, 2014	May 23, 2014	0.912301
May 27, 2014	Jun 24, 2014	0.901307
Jun 25, 2014	Jul 24, 2014	0.889640
Jul 25, 2014	Aug 22, 2014	0.881309
Aug 25, 2014	Sep 24, 2014	0.870979
Sep 25, 2014	Oct 24, 2014	0.864439
Oct 27, 2014	Nov 24, 2014	0.851608
Nov 25, 2014	Dec 24, 2014	0.844344
Dec 26, 2014	Jan 23, 2015	0.833847
Jan 26, 2015	Feb 24, 2015	0.821419
Feb 25, 2015	Mar 24, 2015	0.809119
Mar 25, 2015	Apr 24, 2015	0.798419
Apr 27, 2015	May 22, 2015	0.787069
May 26, 2015	Jun 24, 2015	0.780930
Jun 25, 2015		0.767120

1A8 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

1A8 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	0.991894
Dec 27, 2011	Jan 24, 2012	0.981755
Jan 25, 2012	Feb 24, 2012	0.966039
Feb 27, 2012	Mar 23, 2012	0.953651
Mar 26, 2012	Apr 24, 2012	0.948761
Apr 25, 2012	May 24, 2012	0.932231
May 25, 2012	Jun 22, 2012	0.921351
Jun 25, 2012	Jul 24, 2012	0.911372
Jul 25, 2012	Aug 24, 2012	0.897819
Aug 27, 2012	Sep 24, 2012	0.881547
Sep 25, 2012	Oct 24, 2012	0.868200
Oct 25, 2012	Nov 23, 2012	0.848405
Nov 26, 2012	Dec 24, 2012	0.832475
Dec 26, 2012	Jan 24, 2013	0.822289
Jan 25, 2013	Feb 22, 2013	0.805063
Feb 25, 2013	Mar 22, 2013	0.796104
Mar 25, 2013	Apr 24, 2013	0.783903
Apr 25, 2013	May 24, 2013	0.761653
May 28, 2013	Jun 24, 2013	0.743603
Jun 25, 2013	Jul 24, 2013	0.723955
Jul 25, 2013	Aug 23, 2013	0.709353
Aug 26, 2013	Sep 24, 2013	0.695652
Sep 25, 2013	Oct 24, 2013	0.680517
Oct 25, 2013	Nov 22, 2013	0.667882
Nov 25, 2013	Dec 24, 2013	0.658192
Dec 26, 2013	Jan 24, 2014	0.655130
Jan 27, 2014	Feb 24, 2014	0.645029
Feb 25, 2014	Mar 24, 2014	0.640459
Mar 25, 2014	Apr 24, 2014	0.627007
Apr 25, 2014	May 23, 2014	0.625062
May 27, 2014	Jun 24, 2014	0.617523
Jun 25, 2014	Jul 24, 2014	0.609523
Jul 25, 2014	Aug 22, 2014	0.603805
Aug 25, 2014	Sep 24, 2014	0.596726
Sep 25, 2014	Oct 24, 2014	0.592179
Oct 27, 2014	Nov 24, 2014	0.583388
Nov 25, 2014	Dec 24, 2014	0.578412
Dec 26, 2014	Jan 23, 2015	0.571042
Jan 26, 2015	Feb 24, 2015	0.562507
Feb 25, 2015	Mar 24, 2015	0.554083
Mar 25, 2015	Apr 24, 2015	0.546754
Apr 27, 2015	May 22, 2015	0.538979
May 26, 2015	Jun 24, 2015	0.534775
Jun 25, 2015		0.525317

1A9 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

1A9 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.00000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	0.991894
Dec 27, 2011	Jan 24, 2012	0.981755
Jan 25, 2012	Feb 24, 2012	0.966039
Feb 27, 2012	Mar 23, 2012	0.953651
Mar 26, 2012	Apr 24, 2012	0.948761
Apr 25, 2012	May 24, 2012	0.932231
May 25, 2012	Jun 22, 2012	0.922256
Jun 25, 2012	Jul 24, 2012	0.915743
Jul 25, 2012	Aug 24, 2012	0.905562
Aug 27, 2012	Sep 24, 2012	0.891484
Sep 25, 2012	Oct 24, 2012	0.881858
Oct 25, 2012	Nov 23, 2012	0.865013
Nov 26, 2012	Dec 24, 2012	0.851396
Dec 26, 2012	Jan 24, 2013	0.842838
Jan 25, 2013	Feb 22, 2013	0.829318
Feb 25, 2013	Mar 22, 2013	0.822108
Mar 25, 2013	Apr 24, 2013	0.811252
Apr 25, 2013	May 24, 2013	0.793113
May 28, 2013	Jun 24, 2013	0.776236
Jun 25, 2013	Jul 24, 2013	0.755944
Jul 25, 2013	Aug 23, 2013	0.740692
Aug 26, 2013	Sep 24, 2013	0.726381
Sep 25, 2013	Oct 24, 2013	0.710572
Oct 25, 2013	Nov 22, 2013	0.697374
Nov 25, 2013	Dec 24, 2013	0.687183
Dec 26, 2013	Jan 24, 2014	0.683986
Jan 27, 2014	Feb 24, 2014	0.673439
Feb 25, 2014	Mar 24, 2014	0.668656
Mar 25, 2014	Apr 24, 2014	0.654611
Apr 25, 2014	May 23, 2014	0.652573
May 27, 2014	Jun 24, 2014	0.644689
Jun 25, 2014	Jul 24, 2014	0.636326
Jul 25, 2014	Aug 22, 2014	0.630339
Aug 25, 2014	Sep 24, 2014	0.622946
Sep 25, 2014	Oct 24, 2014	0.618079
Oct 27, 2014	Nov 24, 2014	0.608902
Nov 25, 2014	Dec 24, 2014	0.603708
Dec 26, 2014	Jan 23, 2015	0.595695
Jan 26, 2015	Feb 24, 2015	0.586748
Feb 25, 2015	Mar 24, 2015	0.577958
Mar 25, 2015	Apr 24, 2015	0.570311
Apr 27, 2015	May 22, 2015	0.562197
May 26, 2015	Jun 24, 2015	0.557812
Jun 25, 2015		0.547943
-		

1A10 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	1.000000
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Jul 23, 2011	Aug 24, 2011	1.000000

1A10 Certificate Factor Chart

From	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	0.973546
Dec 27, 2011	Jan 24, 2012	0.939652
Jan 25, 2012	Feb 24, 2012	0.871879
Feb 27, 2012	Mar 23, 2012	0.817472
Mar 26, 2012	Apr 24, 2012	0.790830
Apr 25, 2012	May 24, 2012	0.738297
May 25, 2012	Jun 22, 2012	0.694695
Jun 25, 2012	Jul 24, 2012	0.662987
Jul 25, 2012	Aug 24, 2012	0.629048
Aug 27, 2012	Sep 24, 2012	0.601423
Sep 25, 2012	Oct 24, 2012	0.565381
Oct 25, 2012	Nov 23, 2012	0.530482
Nov 26, 2012	Dec 24, 2012	0.502164
Dec 26, 2012	Jan 24, 2013	0.483011
Jan 25, 2013	Feb 22, 2013	0.443897
Feb 25, 2013	Mar 22, 2013	0.424823
Mar 25, 2013	Apr 24, 2013	0.406415
Apr 25, 2013	May 24, 2013	0.362338
May 28, 2013	Jun 24, 2013	0.340609
Jun 25, 2013	Jul 24, 2013	0.303167
Jul 25, 2013	Aug 23, 2013	0.283796
Aug 26, 2013	Sep 24, 2013	0.259670
Sep 25, 2013	Oct 24, 2013	0.251135
Oct 25, 2013	Nov 22, 2013	0.237744
Nov 25, 2013	Dec 24, 2013	0.223304
Dec 26, 2013	Jan 24, 2014	0.217970
Jan 27, 2014	Feb 24, 2014	0.206204
Feb 25, 2014	Mar 24, 2014	0.194282
Mar 25, 2014	Apr 24, 2014	0.178131
Apr 25, 2014	May 23, 2014	0.176432
May 27, 2014	Jun 24, 2014	0.164717
Jun 25, 2014	Jul 24, 2014	0.162743
Jul 25, 2014	Aug 22, 2014	0.157534
Aug 25, 2014	Sep 24, 2014	0.151049
Sep 25, 2014	Oct 24, 2014	0.146043
Oct 27, 2014	Nov 24, 2014	0.126781
Nov 25, 2014	Dec 24, 2014	0.124966
Dec 26, 2014	Jan 23, 2015	0.107490
Jan 26, 2015	Feb 24, 2015	0.104372
Feb 25, 2015	Mar 24, 2015	0.095143
Mar 25, 2015	Apr 24, 2015	0.079222
Apr 27, 2015	May 22, 2015	0.078171
May 26, 2015	Jun 24, 2015	0.076438
Jun 25, 2015		0.064341
-		

1A11 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997699
Jul 25, 2007	Aug 24, 2007	0.994997
Aug 27, 2007	Sep 24, 2007	0.991895
Sep 25, 2007	Oct 24, 2007	0.988395
Oct 25, 2007	Nov 23, 2007	0.984498
Nov 26, 2007	Dec 24, 2007	0.980205
Dec 26, 2007	Jan 24, 2008	0.975518
Jan 25, 2008	Feb 22, 2008	0.970439
Feb 25, 2008	Mar 24, 2008	0.964970
Mar 25, 2008	Apr 24, 2008	0.959114
Apr 25, 2008	May 23, 2008	0.952874
May 27, 2008	Jun 24, 2008	0.946253
Jun 25, 2008	Jul 24, 2008	0.939253
Jul 25, 2008	Aug 22, 2008	0.931879
Aug 25, 2008	Sep 24, 2008	0.924134
Sep 25, 2008	Oct 24, 2008	0.916022
Oct 27, 2008	Nov 24, 2008	0.907548
Nov 25, 2008	Dec 24, 2008	0.898717
Dec 26, 2008	Jan 23, 2009	0.895213
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	0.887970 0.870133
Mar 25, 2009	Apr 24, 2009	_
Apr 27, 2009	May 22, 2009	0.859928
May 26, 2009	Jun 24, 2009	0.849398
Jun 25, 2009	Jul 24, 2009	0.838563
Jul 27, 2009	Aug 24, 2009	0.827433
Aug 25, 2009	Sep 24, 2009	0.816027 0.804385
Sep 25, 2009	Oct 23, 2009	0.792527
Oct 26, 2009	Nov 24, 2009	0.783515
Nov 25, 2009	Dec 24, 2009	0.770583
Dec 28, 2009	Jan 22, 2010	0.757073
Jan 25, 2010	Feb 24, 2010	0.745411
Feb 25, 2010	Mar 24, 2010	0.733826
Mar 25, 2010	Apr 23, 2010	0.722318
Apr 26, 2010	May 24, 2010	0.710886
May 25, 2010	Jun 24, 2010	0.704341
Jun 25, 2010	Jul 23, 2010	0.689669
Jul 26, 2010	Aug 24, 2010	0.677042
Aug 25, 2010	Sep 24, 2010	0.665910
Sep 27, 2010	Oct 22, 2010	0.654852
Oct 25, 2010	Nov 24, 2010	0.643867
Nov 26, 2010	Dec 23, 2010	0.632955
Dec 27, 2010	Jan 24, 2011	0.622115
Jan 25, 2011	Feb 24, 2011	0.611346
Feb 25, 2011	Mar 24, 2011	0.600650
Mar 25, 2011	Apr 22, 2011	0.590024
Apr 25, 2011	May 24, 2011	0.579468
May 25, 2011	Jun 24, 2011	0.568983
Jun 27, 2011	Jul 22, 2011	0.558567
Jul 25, 2011	Aug 24, 2011	0.548221

1A11 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.537943
Sep 26, 2011	Oct 24, 2011	0.527733
Oct 25, 2011	Nov 23, 2011	0.517591
Nov 25, 2011	Dec 23, 2011	0.513395
Dec 27, 2011	Jan 24, 2012	0.508147
Jan 25, 2012	Feb 24, 2012	0.500013
Feb 27, 2012	Mar 23, 2012	0.493601
Mar 26, 2012	Apr 24, 2012	0.491070
Apr 25, 2012	May 24, 2012	0.482514
May 25, 2012	Jun 22, 2012	0.477351
Jun 25, 2012	Jul 24, 2012	0.473980
Jul 25, 2012	Aug 24, 2012	0.468711
Aug 27, 2012	Sep 24, 2012	0.461424
Sep 25, 2012	Oct 24, 2012	0.456442
Oct 25, 2012	Nov 23, 2012	0.447723
Nov 26, 2012	Dec 24, 2012	0.440675
Dec 26, 2012	Jan 24, 2013	0.436245
Jan 25, 2013	Feb 22, 2013	0.429247
Feb 25, 2013	Mar 22, 2013	0.425515
Mar 25, 2013	Apr 24, 2013	0.419897
Apr 25, 2013	May 24, 2013	0.410508
May 28, 2013	Jun 24, 2013	0.401773
Jun 25, 2013	Jul 24, 2013	0.393474
Jul 25, 2013	Aug 23, 2013	0.386626
Aug 26, 2013	Sep 24, 2013	0.380690
Sep 25, 2013	Oct 24, 2013	0.372646
Oct 25, 2013	Nov 22, 2013	0.366445
Nov 25, 2013	Dec 24, 2013	0.362069
Dec 26, 2013	Jan 24, 2014	0.360736
Jan 27, 2014	Feb 24, 2014	0.355863
Feb 25, 2014	Mar 24, 2014	0.354206
Mar 25, 2014	Apr 24, 2014	0.347755
Apr 25, 2014	May 23, 2014	0.346774
May 27, 2014	Jun 24, 2014	0.343384
Jun 25, 2014	Jul 24, 2014	0.338929
Jul 25, 2014	Aug 22, 2014	0.336061
Aug 25, 2014	Sep 24, 2014	0.332502
Sep 25, 2014	Oct 24, 2014	0.330350
Oct 27, 2014	Nov 24, 2014	0.326847
Nov 25, 2014	Dec 24, 2014	0.324120
Dec 26, 2014	Jan 23, 2015	0.321466
Jan 26, 2015	Feb 24, 2015	0.316809
Feb 25, 2015	Mar 24, 2015	0.312693
Mar 25, 2015	Apr 24, 2015	0.309760
Apr 27, 2015	May 22, 2015	0.305352
May 26, 2015	Jun 24, 2015	0.303062
Jun 25, 2015		0.298584

1A12 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	1.000000
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Jul 23, 2011	Aug 24, 2011	1.000000

1A12 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	0.989748
Dec 27, 2011	Jan 24, 2012	0.976830
Jan 25, 2012	Feb 24, 2012	0.955026
Feb 27, 2012	Mar 23, 2012	0.937724
Mar 26, 2012	Apr 24, 2012	0.930289
Apr 25, 2012	May 24, 2012	0.909548
May 25, 2012	Jun 22, 2012	0.895583
Jun 25, 2012	Jul 24, 2012	0.885905
Jul 25, 2012	Aug 24, 2012	0.872733
Aug 27, 2012	Sep 24, 2012	0.856932
Sep 25, 2012	Oct 24, 2012	0.843982
Oct 25, 2012	Nov 23, 2012	0.824839
Nov 26, 2012	Dec 24, 2012	0.809357
Dec 26, 2012	Jan 24, 2013	0.799457
Jan 25, 2013	Feb 22, 2013	0.782710
Feb 25, 2013	Mar 22, 2013	0.774002
Mar 25, 2013	Apr 24, 2013	0.762178
Apr 25, 2013	May 24, 2013	0.740746
May 28, 2013	Jun 24, 2013	0.723227
Jun 25, 2013	Jul 24, 2013	0.704118
Jul 25, 2013	Aug 23, 2013	0.689919
Aug 26, 2013	Sep 24, 2013	0.676598
Sep 25, 2013	Oct 24, 2013	0.661881
Oct 25, 2013	Nov 22, 2013	0.649595
Nov 25, 2013	Dec 24, 2013	0.640221
Dec 26, 2013	Jan 24, 2014	0.637242
Jan 27, 2014	Feb 24, 2014	0.627418
Feb 25, 2014	Mar 24, 2014	0.622981
Mar 25, 2014	Apr 24, 2014	0.609896
Apr 25, 2014	May 23, 2014	0.608010
May 27, 2014	Jun 24, 2014	0.600685
Jun 25, 2014	Jul 24, 2014	0.592911
Jul 25, 2014	Aug 22, 2014	0.587362
Aug 25, 2014	Sep 24, 2014	0.580478
Sep 25, 2014	Oct 24, 2014	0.576138
Oct 27, 2014	Nov 24, 2014	0.567586
Nov 25, 2014	Dec 24, 2014	0.562745
Dec 26, 2014	Jan 23, 2015	0.555799
Jan 26, 2015	Feb 24, 2015	0.547522
Feb 25, 2015	Mar 24, 2015	0.539324
Mar 25, 2015	Apr 24, 2015	0.532192
Apr 27, 2015	May 22, 2015	0.524627
May 26, 2015	Jun 24, 2015	0.520535
Jun 25, 2015		0.511331

1A13 Certificate Factor Chart

From	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.996796
Jul 25, 2007	Aug 24, 2007	0.988979
Aug 27, 2007	Sep 24, 2007	0.980660
Sep 25, 2007	Oct 24, 2007	0.972983
Oct 25, 2007	Nov 23, 2007	
Nov 26, 2007	Dec 24, 2007	0.966172
Dec 26, 2007	Jan 24, 2008	0.961039
Jan 25, 2008	Feb 22, 2008	0.955653
Feb 25, 2008	Mar 24, 2008	0.949353
Mar 25, 2008	Apr 24, 2008	0.943717
Apr 25, 2008	May 23, 2008	0.933453
		0.919620
May 27, 2008	Jun 24, 2008	0.909788
Jun 25, 2008	Jul 24, 2008	0.898306
Jul 25, 2008	Aug 22, 2008	0.887205
Aug 25, 2008	Sep 24, 2008	0.878852
Sep 25, 2008	Oct 24, 2008	0.872171
Oct 27, 2008	Nov 24, 2008	0.864995
Nov 25, 2008	Dec 24, 2008	0.857566
Dec 26, 2008	Jan 23, 2009	0.854868
Jan 26, 2009	Feb 24, 2009	0.849293
Feb 25, 2009	Mar 24, 2009	0.834782
Mar 25, 2009	Apr 24, 2009	0.818300
Apr 27, 2009	May 22, 2009	0.800327
May 26, 2009	Jun 24, 2009	0.783951
Jun 25, 2009	Jul 24, 2009	0.764913
Jul 27, 2009	Aug 24, 2009	0.744741
Aug 25, 2009	Sep 24, 2009	0.734804
Sep 25, 2009	Oct 23, 2009	0.721128
Oct 26, 2009	Nov 24, 2009	0.714192
Nov 25, 2009	Dec 24, 2009	0.704237
Dec 28, 2009	Jan 22, 2010	0.689568
Jan 25, 2010	Feb 24, 2010	
Feb 25, 2010	Mar 24, 2010	0.672294
Mar 25, 2010	Apr 23, 2010	0.662470
Apr 26, 2010	May 24, 2010	0.653065
May 25, 2010	Jun 24, 2010	0.641074
Jun 25, 2010	Jul 23, 2010	0.636036
Jul 26, 2010	Aug 24, 2010	0.624742
Aug 25, 2010	Sep 24, 2010	0.614379
Sep 27, 2010	Oct 22, 2010	0.594937
Oct 25, 2010	Nov 24, 2010	0.578351
Nov 26, 2010	Dec 23, 2010	0.567998
Dec 27, 2010	Jan 24, 2011	0.548839
Jan 25, 2011	Feb 24, 2011	0.532633
Feb 25, 2011	Mar 24, 2011	0.508721
Mar 25, 2011	Apr 22, 2011	0.499202
Apr 25, 2011	May 24, 2011	0.485710
May 25, 2011	Jun 24, 2011	0.477126
Jun 27, 2011	Jul 22, 2011	0.466577
Jul 25, 2011	Aug 24, 2011	0.458413
Jul 23, 2011	Aug 24, 2011	0.450321

1A13 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.440879
Sep 26, 2011	Oct 24, 2011	0.429873
Oct 25, 2011	Nov 23, 2011	0.418683
Nov 25, 2011	Dec 23, 2011	0.414391
Dec 27, 2011	Jan 24, 2012	0.408983
Jan 25, 2012	Feb 24, 2012	0.399853
Feb 27, 2012	Mar 23, 2012	0.392609
Mar 26, 2012	Apr 24, 2012	0.389497
Apr 25, 2012	May 24, 2012	0.380813
May 25, 2012	Jun 22, 2012	0.374966
Jun 25, 2012	Jul 24, 2012	0.370914
Jul 25, 2012	Aug 24, 2012	0.365399
Aug 27, 2012	Sep 24, 2012	0.358783
Sep 25, 2012	Oct 24, 2012	0.353361
Oct 25, 2012	Nov 23, 2012	0.345346
Nov 26, 2012	Dec 24, 2012	0.338864
Dec 26, 2012	Jan 24, 2013	0.334719
Jan 25, 2013	Feb 22, 2013	0.327708
Feb 25, 2013	Mar 22, 2013	0.324062
Mar 25, 2013	Apr 24, 2013	0.319111
Apr 25, 2013	May 24, 2013	0.310138
May 28, 2013	Jun 24, 2013	0.302803
Jun 25, 2013	Jul 24, 2013	0.294802
Jul 25, 2013	Aug 23, 2013	0.288857
Aug 26, 2013	Sep 24, 2013	0.283280
Sep 25, 2013	Oct 24, 2013	0.277118
Oct 25, 2013	Nov 22, 2013	0.271975
Nov 25, 2013	Dec 24, 2013	0.268050
Dec 26, 2013	Jan 24, 2014	0.266803
Jan 27, 2014	Feb 24, 2014	0.262689
Feb 25, 2014	Mar 24, 2014	0.260832
Mar 25, 2014	Apr 24, 2014	0.255354
Apr 25, 2014	May 23, 2014	0.254564
May 27, 2014	Jun 24, 2014	0.251497
Jun 25, 2014	Jul 24, 2014	0.248242
Jul 25, 2014	Aug 22, 2014	0.245919
Aug 25, 2014	Sep 24, 2014	0.243036
Sep 25, 2014	Oct 24, 2014	0.241219
Oct 27, 2014	Nov 24, 2014	0.237639
Nov 25, 2014	Dec 24, 2014	0.235612
Dec 26, 2014	Jan 23, 2015	0.232704
Jan 26, 2015	Feb 24, 2015	0.229238
Feb 25, 2015	Mar 24, 2015	0.225806
Mar 25, 2015	Apr 24, 2015	0.222820
Apr 27, 2015	May 22, 2015	0.219653
May 26, 2015	Jun 24, 2015	0.217939
Jun 25, 2015		0.214086

1A14 Certificate Factor Chart

From	То	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	<u> </u>	1.000000
	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010 May 24, 2010	1.000000
Apr 26, 2010 May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
	÷ ,	1.000000

1A14 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	0.989748
Dec 27, 2011	Jan 24, 2012	0.976830
Jan 25, 2012	Feb 24, 2012	0.955026
Feb 27, 2012	Mar 23, 2012	0.937724
Mar 26, 2012	Apr 24, 2012	0.930289
Apr 25, 2012	May 24, 2012	0.909548
May 25, 2012	Jun 22, 2012	0.895583
Jun 25, 2012	Jul 24, 2012	0.885905
Jul 25, 2012	Aug 24, 2012	0.872733
Aug 27, 2012	Sep 24, 2012	0.856932
Sep 25, 2012	Oct 24, 2012	0.843982
Oct 25, 2012	Nov 23, 2012	0.824839
Nov 26, 2012	Dec 24, 2012	0.809357
Dec 26, 2012	Jan 24, 2013	0.799457
Jan 25, 2013	Feb 22, 2013	0.782710
Feb 25, 2013	Mar 22, 2013	0.774002
Mar 25, 2013	Apr 24, 2013	0.762178
Apr 25, 2013	May 24, 2013	0.740746
May 28, 2013	Jun 24, 2013	0.723227
Jun 25, 2013	Jul 24, 2013	0.704118
Jul 25, 2013	Aug 23, 2013	0.689919
Aug 26, 2013	Sep 24, 2013	0.676598
Sep 25, 2013	Oct 24, 2013	0.661881
Oct 25, 2013	Nov 22, 2013	0.649595
Nov 25, 2013	Dec 24, 2013	0.640221
Dec 26, 2013	Jan 24, 2014	0.637242
Jan 27, 2014	Feb 24, 2014	0.627418
Feb 25, 2014	Mar 24, 2014	0.622981
Mar 25, 2014	Apr 24, 2014	0.609896
Apr 25, 2014	May 23, 2014	0.608010
May 27, 2014	Jun 24, 2014	0.600685
Jun 25, 2014	Jul 24, 2014	0.592911
Jul 25, 2014	Aug 22, 2014	0.587362
Aug 25, 2014	Sep 24, 2014	0.580478
Sep 25, 2014	Oct 24, 2014	0.576138
Oct 27, 2014	Nov 24, 2014	0.567586
Nov 25, 2014	Dec 24, 2014	0.562745
Dec 26, 2014	Jan 23, 2015	0.555799
Jan 26, 2015	Feb 24, 2015	0.547522
Feb 25, 2015	Mar 24, 2015	0.539324
Mar 25, 2015	Apr 24, 2015	0.532192
Apr 27, 2015	May 22, 2015	0.524627
May 26, 2015	Jun 24, 2015	0.520535
Jun 25, 2015		0.511331

1A15 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997019
Jul 25, 2007	Aug 24, 2007	0.990152
Aug 27, 2007	Sep 24, 2007	0.984036
Sep 25, 2007	Oct 24, 2007	0.979237
Oct 25, 2007	Nov 23, 2007	0.971478
Nov 26, 2007	Dec 24, 2007	0.963434
Dec 26, 2007	Jan 24, 2008	0.961042
Jan 25, 2008	Feb 22, 2008	0.952015
Feb 25, 2008	Mar 24, 2008	0.943924
Mar 25, 2008	Apr 24, 2008	0.936165
Apr 25, 2008	May 23, 2008	0.919927
May 27, 2008	Jun 24, 2008	0.905999
Jun 25, 2008	Jul 24, 2008	0.896669
Jul 25, 2008	Aug 22, 2008	0.884554
Aug 25, 2008	Sep 24, 2008	0.879685
Sep 25, 2008	Oct 24, 2008	0.876469
Oct 27, 2008	Nov 24, 2008	0.871369
Nov 25, 2008	Dec 24, 2008	0.868513
Dec 26, 2008	Jan 23, 2009	0.866146
Jan 26, 2009	Feb 24, 2009	0.857536
Feb 25, 2009	Mar 24, 2009	0.850604
Mar 25, 2009	Apr 24, 2009	0.843781
Apr 27, 2009	May 22, 2009	0.828728
May 26, 2009	Jun 24, 2009	0.821236
Jun 25, 2009	Jul 24, 2009	0.810361
Jul 27, 2009	Aug 24, 2009	0.800105
Aug 25, 2009	Sep 24, 2009	0.792779
Sep 25, 2009	Oct 23, 2009	0.787976
Oct 26, 2009	Nov 24, 2009	0.781752
Nov 25, 2009	Dec 24, 2009	0.772459
Dec 28, 2009	Jan 22, 2010	0.764232
Jan 25, 2010	Feb 24, 2010	0.756594
Feb 25, 2010	Mar 24, 2010	0.752926
Mar 25, 2010	Apr 23, 2010	0.745700
Apr 26, 2010	May 24, 2010	0.738735
May 25, 2010	Jun 24, 2010	0.731866
Jun 25, 2010	Jul 23, 2010	0.722733
Jul 26, 2010	Aug 24, 2010	0.714995
Aug 25, 2010	Sep 24, 2010	0.700030
Sep 27, 2010	Oct 22, 2010	0.692013
Oct 25, 2010	Nov 24, 2010	0.685116
Nov 26, 2010	Dec 23, 2010	0.678880
Dec 27, 2010	Jan 24, 2011	0.663297
Jan 25, 2011	Feb 24, 2011	0.654365
Feb 25, 2011	Mar 24, 2011	0.647944
Mar 25, 2011	Apr 22, 2011	0.641369
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.634864
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.633000
Jul 25, 2011	Aug 24, 2011	0.631140
Jul 23, 2011	Aug 24, 2011	0.627624

1A15 Certificate Factor Chart

From	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.620377
Sep 26, 2011	Oct 24, 2011	0.616915
Oct 25, 2011	Nov 23, 2011	0.613274
Nov 25, 2011	Dec 23, 2011	0.606083
Dec 27, 2011	Jan 24, 2012	0.599371
Jan 25, 2012	Feb 24, 2012	0.590125
Feb 27, 2012	Mar 23, 2012	0.580711
Mar 26, 2012	Apr 24, 2012	0.577258
Apr 25, 2012	May 24, 2012	0.567289
May 25, 2012	Jun 22, 2012	0.559583
Jun 25, 2012	Jul 24, 2012	0.555290
Jul 25, 2012	Aug 24, 2012	0.548556
Aug 27, 2012	Sep 24, 2012	0.541311
Sep 25, 2012	Oct 24, 2012	0.533220
Oct 25, 2012	Nov 23, 2012	0.518025
Nov 26, 2012	Dec 24, 2012	0.505319
Dec 26, 2012	Jan 24, 2013	0.497387
Jan 25, 2013	Feb 22, 2013	0.491234
Feb 25, 2013	Mar 22, 2013	0.486983
Mar 25, 2013	Apr 24, 2013	0.480942
Apr 25, 2013	May 24, 2013	0.470334
May 28, 2013	Jun 24, 2013	0.465155
Jun 25, 2013	Jul 24, 2013	0.456776
Jul 25, 2013	Aug 23, 2013	0.449521
Aug 26, 2013	Sep 24, 2013	0.437242
Sep 25, 2013	Oct 24, 2013	0.428560
Oct 25, 2013	Nov 22, 2013	0.426726
Nov 25, 2013	Dec 24, 2013	0.423992
Dec 26, 2013	Jan 24, 2014	0.420694
Jan 27, 2014	Feb 24, 2014	0.414719
Feb 25, 2014	Mar 24, 2014	0.411288
Mar 25, 2014	Apr 24, 2014	0.401880
Apr 25, 2014	May 23, 2014	0.401372
May 27, 2014	Jun 24, 2014	0.399030
Jun 25, 2014	Jul 24, 2014	0.391343
Jul 25, 2014	Aug 22, 2014	0.385461
Aug 25, 2014	Sep 24, 2014	0.384828
Sep 25, 2014	Oct 24, 2014	0.379733
Oct 27, 2014	Nov 24, 2014	0.374756
Nov 25, 2014	Dec 24, 2014	0.371545
Dec 26, 2014	Jan 23, 2015	0.364459
Jan 26, 2015	Feb 24, 2015	0.361989
Feb 25, 2015	Mar 24, 2015	0.355045
Mar 25, 2015	Apr 24, 2015	0.352686
Apr 27, 2015	May 22, 2015	0.349295
May 26, 2015	Jun 24, 2015	0.346989
Jun 25, 2015		0.342087

1A16 Certificate Factor Chart

From	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997019
Jul 25, 2007	Aug 24, 2007	0.990152
Aug 27, 2007	Sep 24, 2007	0.984036
Sep 25, 2007	Oct 24, 2007	0.979237
Oct 25, 2007	Nov 23, 2007	0.971478
Nov 26, 2007	Dec 24, 2007	0.963434
Dec 26, 2007	Jan 24, 2008	0.961042
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	0.952015
Mar 25, 2008	Apr 24, 2008	0.943924
Apr 25, 2008	May 23, 2008	0.936165
May 27, 2008	Jun 24, 2008	0.919927
Jun 25, 2008	Jul 24, 2008	0.905999
Jul 25, 2008	Aug 22, 2008	0.896669
	-	0.884554
Aug 25, 2008	Sep 24, 2008	0.879685
Sep 25, 2008	Oct 24, 2008	0.876469
Oct 27, 2008	Nov 24, 2008	0.871369
Nov 25, 2008	Dec 24, 2008	0.868513
Dec 26, 2008	Jan 23, 2009	0.866146
Jan 26, 2009	Feb 24, 2009	0.857536
Feb 25, 2009	Mar 24, 2009	0.850604
Mar 25, 2009	Apr 24, 2009	0.843781
Apr 27, 2009	May 22, 2009	0.828728
May 26, 2009	Jun 24, 2009	0.821236
Jun 25, 2009	Jul 24, 2009	0.810361
Jul 27, 2009	Aug 24, 2009	0.800105
Aug 25, 2009	Sep 24, 2009	0.792779
Sep 25, 2009	Oct 23, 2009	0.787976
Oct 26, 2009	Nov 24, 2009	0.781752
Nov 25, 2009	Dec 24, 2009	0.772459
Dec 28, 2009	Jan 22, 2010	0.764232
Jan 25, 2010	Feb 24, 2010	0.756594
Feb 25, 2010	Mar 24, 2010	0.752926
Mar 25, 2010	Apr 23, 2010	0.745700
Apr 26, 2010	May 24, 2010	0.738735
May 25, 2010	Jun 24, 2010	0.731866
Jun 25, 2010	Jul 23, 2010	0.722733
Jul 26, 2010	Aug 24, 2010	0.714995
Aug 25, 2010	Sep 24, 2010	0.700030
Sep 27, 2010	Oct 22, 2010	0.692013
Oct 25, 2010	Nov 24, 2010	0.685116
Nov 26, 2010	Dec 23, 2010	0.678880
Dec 27, 2010	Jan 24, 2011	0.663297
Jan 25, 2011	Feb 24, 2011	0.654365
Feb 25, 2011	Mar 24, 2011	0.647944
Mar 25, 2011	Apr 22, 2011	0.641369
Apr 25, 2011	May 24, 2011	0.634864
May 25, 2011	Jun 24, 2011	0.633000
Jun 27, 2011	Jul 22, 2011	0.631140
Jul 25, 2011	Aug 24, 2011	0.627624

1A16 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.620377
Sep 26, 2011	Oct 24, 2011	0.616915
Oct 25, 2011	Nov 23, 2011	0.613274
Nov 25, 2011	Dec 23, 2011	0.606083
Dec 27, 2011	Jan 24, 2012	0.599371
Jan 25, 2012	Feb 24, 2012	0.590125
Feb 27, 2012	Mar 23, 2012	0.580711
Mar 26, 2012	Apr 24, 2012	0.577258
Apr 25, 2012	May 24, 2012	0.567289
May 25, 2012	Jun 22, 2012	0.559583
Jun 25, 2012	Jul 24, 2012	0.555290
Jul 25, 2012	Aug 24, 2012	0.548556
Aug 27, 2012	Sep 24, 2012	0.541311
Sep 25, 2012	Oct 24, 2012	0.533220
Oct 25, 2012	Nov 23, 2012	0.518025
Nov 26, 2012	Dec 24, 2012	0.505319
Dec 26, 2012	Jan 24, 2013	0.497387
Jan 25, 2013	Feb 22, 2013	0.491234
Feb 25, 2013	Mar 22, 2013	0.486983
Mar 25, 2013	Apr 24, 2013	0.480942
Apr 25, 2013	May 24, 2013	0.470334
May 28, 2013	Jun 24, 2013	0.465155
Jun 25, 2013	Jul 24, 2013	0.456776
Jul 25, 2013	Aug 23, 2013	0.449521
Aug 26, 2013	Sep 24, 2013	0.437242
Sep 25, 2013	Oct 24, 2013	0.428560
Oct 25, 2013	Nov 22, 2013	0.426726
Nov 25, 2013	Dec 24, 2013	0.423992
Dec 26, 2013	Jan 24, 2014	0.420694
Jan 27, 2014	Feb 24, 2014	0.414719
Feb 25, 2014	Mar 24, 2014	0.411288
Mar 25, 2014	Apr 24, 2014	0.401880
Apr 25, 2014	May 23, 2014	0.401372
May 27, 2014	Jun 24, 2014	0.399030
Jun 25, 2014	Jul 24, 2014	0.391343
Jul 25, 2014	Aug 22, 2014	0.385461
Aug 25, 2014	Sep 24, 2014	0.384828
Sep 25, 2014	Oct 24, 2014	0.379733
Oct 27, 2014	Nov 24, 2014	0.374756
Nov 25, 2014	Dec 24, 2014	0.371545
Dec 26, 2014	Jan 23, 2015	0.364459
Jan 26, 2015	Feb 24, 2015	0.361989
Feb 25, 2015	Mar 24, 2015	0.355045
Mar 25, 2015	Apr 24, 2015	0.352686
Apr 27, 2015	May 22, 2015	0.349295
May 26, 2015	Jun 24, 2015	0.346989
Jun 25, 2015		0.342087
-		

1A17 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997019
Jul 25, 2007	Aug 24, 2007	0.990152
Aug 27, 2007	Sep 24, 2007	0.984036
Sep 25, 2007	Oct 24, 2007	0.979237
Oct 25, 2007	Nov 23, 2007	0.971478
Nov 26, 2007	Dec 24, 2007	0.963434
Dec 26, 2007	Jan 24, 2008	0.961042
Jan 25, 2008	Feb 22, 2008	0.952015
Feb 25, 2008	Mar 24, 2008	0.943924
Mar 25, 2008	Apr 24, 2008	0.936165
Apr 25, 2008	May 23, 2008	0.919927
May 27, 2008	Jun 24, 2008	0.905999
Jun 25, 2008	Jul 24, 2008	0.896669
Jul 25, 2008	Aug 22, 2008	0.884554
Aug 25, 2008	Sep 24, 2008	0.879685
Sep 25, 2008	Oct 24, 2008	0.876469
Oct 27, 2008	Nov 24, 2008	0.871369
Nov 25, 2008	Dec 24, 2008	0.868513
Dec 26, 2008	Jan 23, 2009	0.866146
Jan 26, 2009	Feb 24, 2009	0.857536
Feb 25, 2009	Mar 24, 2009	0.850604
Mar 25, 2009	Apr 24, 2009	0.843781
Apr 27, 2009	May 22, 2009	0.828728
May 26, 2009	Jun 24, 2009	0.821236
Jun 25, 2009	Jul 24, 2009	0.810361
Jul 27, 2009	Aug 24, 2009	0.800105
Aug 25, 2009	Sep 24, 2009	0.792779
Sep 25, 2009	Oct 23, 2009	0.787976
Oct 26, 2009	Nov 24, 2009	0.781752
Nov 25, 2009	Dec 24, 2009	0.772459
Dec 28, 2009	Jan 22, 2010	0.764232
Jan 25, 2010	Feb 24, 2010	0.756594
Feb 25, 2010	Mar 24, 2010	0.752926
Mar 25, 2010	Apr 23, 2010	0.745700
Apr 26, 2010	May 24, 2010	0.738735
May 25, 2010	Jun 24, 2010	0.731866
Jun 25, 2010	Jul 23, 2010	0.722733
Jul 26, 2010	Aug 24, 2010	0.714995
Aug 25, 2010	Sep 24, 2010	0.700030
Sep 27, 2010	Oct 22, 2010	0.692013
Oct 25, 2010	Nov 24, 2010	0.685116
Nov 26, 2010	Dec 23, 2010	0.678880
Dec 27, 2010	Jan 24, 2011	0.663297
Jan 25, 2011	Feb 24, 2011	0.654365
Feb 25, 2011	Mar 24, 2011	0.647944
Mar 25, 2011	Apr 22, 2011	0.641369
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.634864
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.633000
Jul 25, 2011	Aug 24, 2011	0.631140
Jul 23, 2011	Aug 24, 2011	0.627624

1A17 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.620377
Sep 26, 2011	Oct 24, 2011	0.616915
Oct 25, 2011	Nov 23, 2011	0.613274
Nov 25, 2011	Dec 23, 2011	0.606083
Dec 27, 2011	Jan 24, 2012	0.599371
Jan 25, 2012	Feb 24, 2012	0.590125
Feb 27, 2012	Mar 23, 2012	0.580711
Mar 26, 2012	Apr 24, 2012	0.577258
Apr 25, 2012	May 24, 2012	0.567289
May 25, 2012	Jun 22, 2012	0.559583
Jun 25, 2012	Jul 24, 2012	0.555290
Jul 25, 2012	Aug 24, 2012	0.548556
Aug 27, 2012	Sep 24, 2012	0.541311
Sep 25, 2012	Oct 24, 2012	0.533220
Oct 25, 2012	Nov 23, 2012	0.518025
Nov 26, 2012	Dec 24, 2012	0.505319
Dec 26, 2012	Jan 24, 2013	0.497387
Jan 25, 2013	Feb 22, 2013	0.491234
Feb 25, 2013	Mar 22, 2013	0.486983
Mar 25, 2013	Apr 24, 2013	0.480942
Apr 25, 2013	May 24, 2013	0.470334
May 28, 2013	Jun 24, 2013	0.465155
Jun 25, 2013	Jul 24, 2013	0.456776
Jul 25, 2013	Aug 23, 2013	0.449521
Aug 26, 2013	Sep 24, 2013	0.437242
Sep 25, 2013	Oct 24, 2013	0.428560
Oct 25, 2013	Nov 22, 2013	0.426726
Nov 25, 2013	Dec 24, 2013	0.423992
Dec 26, 2013	Jan 24, 2014	0.420694
Jan 27, 2014	Feb 24, 2014	0.414719
Feb 25, 2014	Mar 24, 2014	0.411288
Mar 25, 2014	Apr 24, 2014	0.401880
Apr 25, 2014	May 23, 2014	0.401372
May 27, 2014	Jun 24, 2014	0.399030
Jun 25, 2014	Jul 24, 2014	0.391343
Jul 25, 2014	Aug 22, 2014	0.385461
Aug 25, 2014	Sep 24, 2014	0.384828
Sep 25, 2014	Oct 24, 2014	0.379733
Oct 27, 2014	Nov 24, 2014	0.374756
Nov 25, 2014	Dec 24, 2014	0.371545
Dec 26, 2014	Jan 23, 2015	0.364459
Jan 26, 2015	Feb 24, 2015	0.361989
Feb 25, 2015	Mar 24, 2015	0.355045
Mar 25, 2015	Apr 24, 2015	0.352686
Apr 27, 2015	May 22, 2015	0.349295
May 26, 2015	Jun 24, 2015	0.346989
Jun 25, 2015		0.342087

1A18 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.999243
Jul 25, 2007	Aug 24, 2007	0.997874
Aug 27, 2007	Sep 24, 2007	0.997217
Sep 25, 2007	Oct 24, 2007	0.992359
Oct 25, 2007	Nov 23, 2007	0.991681
Nov 26, 2007	Dec 24, 2007	0.990942
Dec 26, 2007	Jan 24, 2008	0.990222
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	0.989492
Mar 25, 2008	Apr 24, 2008	0.986482
Apr 25, 2008	May 23, 2008	0.985760
May 27, 2008	Jun 24, 2008	0.980126
Jun 25, 2008	Jul 24, 2008	0.979323
Jul 25, 2008	Aug 22, 2008	0.975512
		0.968183
Aug 25, 2008	Sep 24, 2008	0.958628
Sep 25, 2008	Oct 24, 2008	0.954761
Oct 27, 2008	Nov 24, 2008	0.946100
Nov 25, 2008	Dec 24, 2008	0.939404
Dec 26, 2008	Jan 23, 2009	0.935788
Jan 26, 2009	Feb 24, 2009	0.930866
Feb 25, 2009	Mar 24, 2009	0.922136
Mar 25, 2009	Apr 24, 2009	0.907144
Apr 27, 2009	May 22, 2009	0.897051
May 26, 2009	Jun 24, 2009	0.879270
Jun 25, 2009	Jul 24, 2009	0.876127
Jul 27, 2009	Aug 24, 2009	0.871002
Aug 25, 2009	Sep 24, 2009	0.861066
Sep 25, 2009	Oct 23, 2009	0.851863
Oct 26, 2009	Nov 24, 2009	0.848150
Nov 25, 2009	Dec 24, 2009	0.846420
Dec 28, 2009	Jan 22, 2010	0.838028
Jan 25, 2010	Feb 24, 2010	0.832764
Feb 25, 2010	Mar 24, 2010	0.830304
Mar 25, 2010	Apr 23, 2010	0.826604
Apr 26, 2010	May 24, 2010	0.820754
May 25, 2010	Jun 24, 2010	0.805995
Jun 25, 2010	Jul 23, 2010	0.795910
Jul 26, 2010	Aug 24, 2010	0.793749
Aug 25, 2010	Sep 24, 2010	0.780854
Sep 27, 2010	Oct 22, 2010	0.763913
Oct 25, 2010	Nov 24, 2010	0.758376
Nov 26, 2010	Dec 23, 2010	0.742727
Dec 27, 2010	Jan 24, 2011	0.729554
Jan 25, 2011	Feb 24, 2011	0.711287
Feb 25, 2011	Mar 24, 2011	0.705070
Mar 25, 2011	Apr 22, 2011	0.685314
Apr 25, 2011	May 24, 2011	0.680892
May 25, 2011	Jun 24, 2011	0.669723
Jun 27, 2011	Jul 22, 2011	0.660468
Jul 25, 2011	Aug 24, 2011	0.652340

1A18 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.645725
Sep 26, 2011	Oct 24, 2011	0.633150
Oct 25, 2011	Nov 23, 2011	0.625151
Nov 25, 2011	Dec 23, 2011	0.559604
Dec 27, 2011	Jan 24, 2012	0.548996
Jan 25, 2012	Feb 24, 2012	0.474556
Feb 27, 2012	Mar 23, 2012	0.435563
Mar 26, 2012	Apr 24, 2012	0.403716
Apr 25, 2012	May 24, 2012	0.399612
May 25, 2012	Jun 22, 2012	0.313267
Jun 25, 2012	Jul 24, 2012	0.312123
Jul 25, 2012	Aug 24, 2012	0.158033
Aug 27, 2012	Sep 24, 2012	0.060044
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

2A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.988130
Jul 25, 2007	Aug 24, 2007	0.981399
Aug 27, 2007	Sep 24, 2007	0.973603
Sep 25, 2007	Oct 24, 2007	0.966737
Oct 25, 2007	Nov 23, 2007	0.959859
Nov 26, 2007	Dec 24, 2007	0.952902
Dec 26, 2007	Jan 24, 2008	0.946011
Jan 25, 2008	Feb 22, 2008	0.938700
Feb 25, 2008	Mar 24, 2008	0.931774
Mar 25, 2008	Apr 24, 2008	0.924444
Apr 25, 2008	May 23, 2008	0.917427
May 27, 2008	Jun 24, 2008	0.906108
Jun 25, 2008	Jul 24, 2008	0.899166
Jul 25, 2008	Aug 22, 2008	0.892003
Aug 25, 2008	Sep 24, 2008	0.884866
Sep 25, 2008	Oct 24, 2008	0.855077
Oct 27, 2008	Nov 24, 2008	0.848256
Nov 25, 2008	Dec 24, 2008	0.841225
Dec 26, 2008	Jan 23, 2009	0.829119
Jan 26, 2009	Feb 24, 2009	0.813140
Feb 25, 2009	Mar 24, 2009	0.789053
Mar 25, 2009	Apr 24, 2009	0.771502
Apr 27, 2009	May 22, 2009	0.762357
May 26, 2009	Jun 24, 2009	0.749866
Jun 25, 2009	Jul 24, 2009	0.741778
Jul 27, 2009	Aug 24, 2009	0.734853
Aug 25, 2009	Sep 24, 2009	0.708368
Sep 25, 2009	Oct 23, 2009	0.701349
Oct 26, 2009	Nov 24, 2009	0.663259
Nov 25, 2009	Dec 24, 2009	0.657112
Dec 28, 2009	Jan 22, 2010	0.610394
Jan 25, 2010	Feb 24, 2010	0.604473
Feb 25, 2010	Mar 24, 2010	0.598464
Mar 25, 2010	Apr 23, 2010	0.591996
Apr 26, 2010	May 24, 2010	0.585735
May 25, 2010	Jun 24, 2010	0.579385
Jun 25, 2010	Jul 23, 2010	0.572650
Jul 26, 2010	Aug 24, 2010	0.566534
Aug 25, 2010	Sep 24, 2010	0.545854
Sep 27, 2010	Oct 22, 2010	0.539773
Oct 25, 2010	Nov 24, 2010	0.521950
Nov 26, 2010	Dec 23, 2010	0.501031
Dec 27, 2010	Jan 24, 2011	0.495431
Jan 25, 2011	Feb 24, 2011	0.489600
Feb 25, 2011	Mar 24, 2011	0.481999
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.476197
May 25, 2011	Jun 24, 2011	0.470244
Jun 27, 2011	Jul 22, 2011	0.464368
Jul 25, 2011	Aug 24, 2011	0.423714
JUI 23, 2011	1148 27, 2011	0.412547

2A1 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.406017
Sep 26, 2011	Oct 24, 2011	0.398670
Oct 25, 2011	Nov 23, 2011	0.389978
Nov 25, 2011	Dec 23, 2011	0.360925
Dec 27, 2011	Jan 24, 2012	0.354849
Jan 25, 2012	Feb 24, 2012	0.348751
Feb 27, 2012	Mar 23, 2012	0.324967
Mar 26, 2012	Apr 24, 2012	0.302935
Apr 25, 2012	May 24, 2012	0.227079
May 25, 2012	Jun 22, 2012	0.221641
Jun 25, 2012	Jul 24, 2012	0.217395
Jul 25, 2012	Aug 24, 2012	0.212922
Aug 27, 2012	Sep 24, 2012	0.208783
Sep 25, 2012	Oct 24, 2012	0.176300
Oct 25, 2012	Nov 23, 2012	0.173430
Nov 26, 2012	Dec 24, 2012	0.169596
Dec 26, 2012	Jan 24, 2013	0.165251
Jan 25, 2013	Feb 22, 2013	0.161741
Feb 25, 2013	Mar 22, 2013	0.158191
Mar 25, 2013	Apr 24, 2013	0.154568
Apr 25, 2013	May 24, 2013	0.150530
May 28, 2013	Jun 24, 2013	0.139833
Jun 25, 2013	Jul 24, 2013	0.134369
Jul 25, 2013	Aug 23, 2013	0.131532
Aug 26, 2013	Sep 24, 2013	0.124260
Sep 25, 2013	Oct 24, 2013	0.121933
Oct 25, 2013	Nov 22, 2013	0.119622
Nov 25, 2013	Dec 24, 2013	0.117267
Dec 26, 2013	Jan 24, 2014	0.111126
Jan 27, 2014	Feb 24, 2014	0.108740
Feb 25, 2014	Mar 24, 2014	0.107031
Mar 25, 2014	Apr 24, 2014	0.104509
Apr 25, 2014	May 23, 2014	0.101015
May 27, 2014	Jun 24, 2014	0.095289
Jun 25, 2014	Jul 24, 2014	0.095289
Jul 25, 2014	Aug 22, 2014	0.075681
Aug 25, 2014	Sep 24, 2014	0.073029
Sep 25, 2014	Oct 24, 2014	0.071278
Oct 27, 2014	Nov 24, 2014	0.069664
Nov 25, 2014	Dec 24, 2014	0.067699
Dec 26, 2014	Jan 23, 2015	0.065922
Jan 26, 2015	Feb 24, 2015	0.065922
Feb 25, 2015	Mar 24, 2015	0.064192
Mar 25, 2015	Apr 24, 2015	0.062408
Apr 27, 2015	May 22, 2015	0.060558
May 26, 2015	Jun 24, 2015	0.052760
Jun 25, 2015		0.051385

2A2 Certificate Factor Chart

<u>From</u>	То	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.980789
Jul 25, 2007	Aug 24, 2007	0.952476
Aug 27, 2007	Sep 24, 2007	0.947724
Sep 25, 2007	Oct 24, 2007	0.943199
Oct 25, 2007	Nov 23, 2007	0.938407
Nov 26, 2007	Dec 24, 2007	0.932872
Dec 26, 2007	Jan 24, 2008	0.928120
Jan 25, 2008	Feb 22, 2008	0.922678
Feb 25, 2008	Mar 24, 2008	0.918024
Mar 25, 2008	Apr 24, 2008	0.848116
Apr 25, 2008	May 23, 2008	0.841624
May 27, 2008	Jun 24, 2008	0.822126
Jun 25, 2008	Jul 24, 2008	0.817654
Jul 25, 2008	Aug 22, 2008	0.812871
Aug 25, 2008	Sep 24, 2008	0.808363
Sep 25, 2008	Oct 24, 2008	0.703931
Oct 27, 2008	Nov 24, 2008	0.700092
Nov 25, 2008	Dec 24, 2008	0.695829
Dec 26, 2008	Jan 23, 2009	0.668899
Jan 26, 2009	Feb 24, 2009	0.625974
Feb 25, 2009	Mar 24, 2009	0.620194
Mar 25, 2009	Apr 24, 2009	0.616463
Apr 27, 2009	May 22, 2009	0.605733
May 26, 2009	Jun 24, 2009	0.582508
Jun 25, 2009	Jul 24, 2009	0.565295
Jul 27, 2009	Aug 24, 2009	0.561537
Aug 25, 2009	Sep 24, 2009	0.532588
Sep 25, 2009	Oct 23, 2009	0.513410
Oct 26, 2009	Nov 24, 2009	0.510319
Nov 25, 2009	Dec 24, 2009	0.507211
Dec 28, 2009	Jan 22, 2010	0.502234
Jan 25, 2010	Feb 24, 2010	0.498818
Feb 25, 2010	Mar 24, 2010	0.495668
Mar 25, 2010	Apr 23, 2010	0.492379
Apr 26, 2010	May 24, 2010	0.488973
May 25, 2010	Jun 24, 2010	0.484794
Jun 25, 2010	Jul 23, 2010	0.481282
Jul 26, 2010	Aug 24, 2010	0.477472
Aug 25, 2010	Sep 24, 2010	0.468808
Sep 27, 2010	Oct 22, 2010	0.465020
Oct 25, 2010	Nov 24, 2010	0.461853
Nov 26, 2010	Dec 23, 2010	0.436084
Dec 27, 2010	Jan 24, 2011	0.433104
Jan 25, 2011	Feb 24, 2011	0.427936
Feb 25, 2011	Mar 24, 2011	0.424771
Mar 25, 2011	Apr 22, 2011	0.386224
Apr 25, 2011	May 24, 2011	0.353930
May 25, 2011	Jun 24, 2011	0.344015
Jun 27, 2011	Jul 22, 2011	0.341487
Jul 25, 2011	Aug 24, 2011	0.323367

2A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.320945
Sep 26, 2011	Oct 24, 2011	0.318395
Oct 25, 2011	Nov 23, 2011	0.283897
Nov 25, 2011	Dec 23, 2011	0.243563
Dec 27, 2011	Jan 24, 2012	0.238738
Jan 25, 2012	Feb 24, 2012	0.227755
Feb 27, 2012	Mar 23, 2012	0.217014
Mar 26, 2012	Apr 24, 2012	0.207174
Apr 25, 2012	May 24, 2012	0.205361
May 25, 2012	Jun 22, 2012	0.203543
Jun 25, 2012	Jul 24, 2012	0.201417
Jul 25, 2012	Aug 24, 2012	0.199578
Aug 27, 2012	Sep 24, 2012	0.197613
Sep 25, 2012	Oct 24, 2012	0.195757
Oct 25, 2012	Nov 23, 2012	0.194097
Nov 26, 2012	Dec 24, 2012	0.192428
Dec 26, 2012	Jan 24, 2013	0.175864
Jan 25, 2013	Feb 22, 2013	0.174158
Feb 25, 2013	Mar 22, 2013	0.172533
Mar 25, 2013	Apr 24, 2013	0.170937
Apr 25, 2013	May 24, 2013	0.169334
May 28, 2013	Jun 24, 2013	0.167722
Jun 25, 2013	Jul 24, 2013	0.165796
Jul 25, 2013	Aug 23, 2013	0.164013
Aug 26, 2013	Sep 24, 2013	0.162343
Sep 25, 2013	Oct 24, 2013	0.143305
Oct 25, 2013	Nov 22, 2013	0.141801
Nov 25, 2013	Dec 24, 2013	0.139980
Dec 26, 2013	Jan 24, 2014	0.138470
Jan 27, 2014	Feb 24, 2014	0.136817
Feb 25, 2014	Mar 24, 2014	0.135765
Mar 25, 2014	Apr 24, 2014	0.134337
Apr 25, 2014	May 23, 2014	0.132517
May 27, 2014	Jun 24, 2014	0.130387
Jun 25, 2014	Jul 24, 2014	0.130387
Jul 25, 2014	Aug 22, 2014	0.129092
Aug 25, 2014	Sep 24, 2014	0.127674
Sep 25, 2014	Oct 24, 2014	0.126189
Oct 27, 2014	Nov 24, 2014	0.124815
Nov 25, 2014	Dec 24, 2014	0.122967
Dec 26, 2014	Jan 23, 2015	0.121454
Jan 26, 2015	Feb 24, 2015	0.121454
Feb 25, 2015	Mar 24, 2015	0.119959
Mar 25, 2015	Apr 24, 2015	0.118433
Apr 27, 2015	May 22, 2015	0.116882
May 26, 2015	Jun 24, 2015	0.115045
Jun 25, 2015		0.113774

2A3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.994780
Jul 25, 2007	Aug 24, 2007	0.979697
Aug 27, 2007	Sep 24, 2007	0.972749
Sep 25, 2007	Oct 24, 2007	0.963716
Oct 25, 2007	Nov 23, 2007	0.956878
Nov 26, 2007	Dec 24, 2007	0.952262
Dec 26, 2007	Jan 24, 2008	0.942693
Jan 25, 2008	Feb 22, 2008	0.933781
Feb 25, 2008	Mar 24, 2008	0.904956
Mar 25, 2008	Apr 24, 2008	0.880640
Apr 25, 2008	May 23, 2008	0.868335
May 27, 2008	Jun 24, 2008	0.854320
Jun 25, 2008	Jul 24, 2008	0.845884
Jul 25, 2008	Aug 22, 2008	0.840439
Aug 25, 2008	Sep 24, 2008	0.834075
Sep 25, 2008	Oct 24, 2008	0.821341
Oct 27, 2008	Nov 24, 2008	0.803044
Nov 25, 2008	Dec 24, 2008	0.796103
Dec 26, 2008	Jan 23, 2009	0.790554
Jan 26, 2009	Feb 24, 2009	0.780635
Feb 25, 2009	Mar 24, 2009	0.769744
Mar 25, 2009	Apr 24, 2009	0.760271
Apr 27, 2009	May 22, 2009	0.741161
May 26, 2009	Jun 24, 2009	0.711836
Jun 25, 2009	Jul 24, 2009	0.690150
Jul 27, 2009	Aug 24, 2009	0.673326
Aug 25, 2009	Sep 24, 2009	0.655472
Sep 25, 2009	Oct 23, 2009	0.634346
Oct 26, 2009	Nov 24, 2009	0.628729
Nov 25, 2009	Dec 24, 2009	0.607946
Dec 28, 2009	Jan 22, 2010	0.593176
Jan 25, 2010	Feb 24, 2010	0.561202
Feb 25, 2010	Mar 24, 2010	0.541942
Mar 25, 2010	Apr 23, 2010	0.510447
Apr 26, 2010	May 24, 2010	0.504948
May 25, 2010	Jun 24, 2010	0.491181
Jun 25, 2010	Jul 23, 2010	0.476706
Jul 26, 2010	Aug 24, 2010	0.466670
Aug 25, 2010	Sep 24, 2010	0.451818
Sep 27, 2010	Oct 22, 2010	0.435031
Oct 25, 2010	Nov 24, 2010	0.408955
Nov 26, 2010	Dec 23, 2010	0.399620
Dec 27, 2010	Jan 24, 2011	0.389736
Jan 25, 2011	Feb 24, 2011	0.374443
Feb 25, 2011	Mar 24, 2011	0.370247
Mar 25, 2011	Apr 22, 2011	0.364280
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.350046
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.335359
Jul 25, 2011	Aug 24, 2011	0.327769
Jul 23, 2011	7ug 27, 2011	0.315919

2A3 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.313135
Sep 26, 2011	Oct 24, 2011	0.304084
Oct 25, 2011	Nov 23, 2011	0.301071
Nov 25, 2011	Dec 23, 2011	0.279311
Dec 27, 2011	Jan 24, 2012	0.265403
Jan 25, 2012	Feb 24, 2012	0.254839
Feb 27, 2012	Mar 23, 2012	0.247814
Mar 26, 2012	Apr 24, 2012	0.234218
Apr 25, 2012	May 24, 2012	0.229050
May 25, 2012	Jun 22, 2012	0.219141
Jun 25, 2012	Jul 24, 2012	0.202203
Jul 25, 2012	Aug 24, 2012	0.196299
Aug 27, 2012	Sep 24, 2012	0.188429
Sep 25, 2012	Oct 24, 2012	0.184325
Oct 25, 2012	Nov 23, 2012	0.178239
Nov 26, 2012	Dec 24, 2012	0.176550
Dec 26, 2012	Jan 24, 2013	0.170933
Jan 25, 2013	Feb 22, 2013	0.151909
Feb 25, 2013	Mar 22, 2013	0.148036
Mar 25, 2013	Apr 24, 2013	0.142061
Apr 25, 2013	May 24, 2013	0.127121
May 28, 2013	Jun 24, 2013	0.125885
Jun 25, 2013	Jul 24, 2013	0.113351
Jul 25, 2013	Aug 23, 2013	0.111287
Aug 26, 2013	Sep 24, 2013	0.107439
Sep 25, 2013	Oct 24, 2013	0.101334
Oct 25, 2013	Nov 22, 2013	0.100467
Nov 25, 2013	Dec 24, 2013	0.096661
Dec 26, 2013	Jan 24, 2014	0.095805
Jan 27, 2014	Feb 24, 2014	0.092599
Feb 25, 2014	Mar 24, 2014	0.090437
Mar 25, 2014	Apr 24, 2014	0.089602
Apr 25, 2014	May 23, 2014	0.089602
May 27, 2014	Jun 24, 2014	0.088741
Jun 25, 2014	Jul 24, 2014	0.088741
Jul 25, 2014	Aug 22, 2014	0.087772
Aug 25, 2014	Sep 24, 2014	0.086755
Sep 25, 2014	Oct 24, 2014	0.086127
Oct 27, 2014	Nov 24, 2014	0.085391
Nov 25, 2014	Dec 24, 2014	0.084596
Dec 26, 2014	Jan 23, 2015	0.083649
Jan 26, 2015	Feb 24, 2015	0.079880
Feb 25, 2015	Mar 24, 2015	0.077773
Mar 25, 2015	Apr 24, 2015	0.077066
Apr 27, 2015	May 22, 2015	0.076360
May 26, 2015	Jun 24, 2015	0.075384
Jun 25, 2015		0.074133

2A4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.995617
Jul 25, 2007	Aug 24, 2007	0.982460
Aug 27, 2007	Sep 24, 2007	0.974650
Sep 25, 2007	Oct 24, 2007	0.963360
Oct 25, 2007	Nov 23, 2007	0.952176
Nov 26, 2007	Dec 24, 2007	0.947956
Dec 26, 2007	Jan 24, 2008	0.935202
Jan 25, 2008	Feb 22, 2008	0.927074
Feb 25, 2008	Mar 24, 2008	0.901450
Mar 25, 2008	Apr 24, 2008	0.885301
Apr 25, 2008	May 23, 2008	0.876870
May 27, 2008	Jun 24, 2008	0.863830
Jun 25, 2008	Jul 24, 2008	0.846467
Jul 25, 2008	Aug 22, 2008	0.835976
Aug 25, 2008	Sep 24, 2008	0.821947
Sep 25, 2008	Oct 24, 2008	0.798984
Oct 27, 2008	Nov 24, 2008	0.787683
Nov 25, 2008	Dec 24, 2008	0.780086
Dec 26, 2008	Jan 23, 2009	0.775038
Jan 26, 2009	Feb 24, 2009	0.767281
Feb 25, 2009	Mar 24, 2009	0.754970
Mar 25, 2009	Apr 24, 2009	0.736614
Apr 27, 2009	May 22, 2009	0.713483
May 26, 2009	Jun 24, 2009	0.698446
Jun 25, 2009	Jul 24, 2009	0.689593
Jul 27, 2009	Aug 24, 2009	0.668823
Aug 25, 2009	Sep 24, 2009	0.651312
Sep 25, 2009	Oct 23, 2009	0.640146
Oct 26, 2009	Nov 24, 2009	0.634604
Nov 25, 2009	Dec 24, 2009	0.620922
Dec 28, 2009	Jan 22, 2010	0.613749
Jan 25, 2010	Feb 24, 2010	0.590843
Feb 25, 2010	Mar 24, 2010	0.580703
Mar 25, 2010	Apr 23, 2010	0.567605
Apr 26, 2010	May 24, 2010	0.549692
May 25, 2010	Jun 24, 2010	0.517285
Jun 25, 2010	Jul 23, 2010	0.504761
Jul 26, 2010	Aug 24, 2010	0.494913
Aug 25, 2010	Sep 24, 2010	0.485966
Sep 27, 2010	Oct 22, 2010	0.469519
Oct 25, 2010	Nov 24, 2010	0.457755
Nov 26, 2010	Dec 23, 2010	0.437538
Dec 27, 2010	Jan 24, 2011	0.423604
Jan 25, 2011	Feb 24, 2011	0.411127
Feb 25, 2011	Mar 24, 2011	0.406082
Mar 25, 2011	Apr 22, 2011	0.401136
Apr 25, 2011	May 24, 2011 Jun 24, 2011	0.385416
May 25, 2011 Jun 27, 2011	Jul 22, 2011	0.371381
Jul 25, 2011	Aug 24, 2011	0.357013
Jui 23, 2011	Aug 24, 2011	0.347477

2A4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.342903
Sep 26, 2011	Oct 24, 2011	0.325771
Oct 25, 2011	Nov 23, 2011	0.323465
Nov 25, 2011	Dec 23, 2011	0.312892
Dec 27, 2011	Jan 24, 2012	0.305705
Jan 25, 2012	Feb 24, 2012	0.285091
Feb 27, 2012	Mar 23, 2012	0.269993
Mar 26, 2012	Apr 24, 2012	0.263882
Apr 25, 2012	May 24, 2012	0.259706
May 25, 2012	Jun 22, 2012	0.250085
Jun 25, 2012	Jul 24, 2012	0.235924
Jul 25, 2012	Aug 24, 2012	0.227875
Aug 27, 2012	Sep 24, 2012	0.219449
Sep 25, 2012	Oct 24, 2012	0.217020
Oct 25, 2012	Nov 23, 2012	0.214122
Nov 26, 2012	Dec 24, 2012	0.209646
Dec 26, 2012	Jan 24, 2013	0.207197
Jan 25, 2013	Feb 22, 2013	0.194911
Feb 25, 2013	Mar 22, 2013	0.190255
Mar 25, 2013	Apr 24, 2013	0.187879
Apr 25, 2013	May 24, 2013	0.176247
May 28, 2013	Jun 24, 2013	0.171173
Jun 25, 2013	Jul 24, 2013	0.166909
Jul 25, 2013	Aug 23, 2013	0.165426
Aug 26, 2013	Sep 24, 2013	0.158637
Sep 25, 2013	Oct 24, 2013	0.150854
Oct 25, 2013	Nov 22, 2013	0.149713
Nov 25, 2013	Dec 24, 2013	0.146203
Dec 26, 2013	Jan 24, 2014	0.145162
Jan 27, 2014	Feb 24, 2014	0.140035
Feb 25, 2014	Mar 24, 2014	0.138003
Mar 25, 2014	Apr 24, 2014	0.130502
Apr 25, 2014	May 23, 2014	0.122220
May 27, 2014	Jun 24, 2014	0.121305
Jun 25, 2014	Jul 24, 2014	0.119693
Jul 25, 2014	Aug 22, 2014	0.117684
Aug 25, 2014	Sep 24, 2014	0.116406
Sep 25, 2014	Oct 24, 2014	0.112954
Oct 27, 2014	Nov 24, 2014	0.110365
Nov 25, 2014	Dec 24, 2014	0.107919
Dec 26, 2014	Jan 23, 2015	0.106859
Jan 26, 2015	Feb 24, 2015	0.106366
Feb 25, 2015	Mar 24, 2015	0.099353
Mar 25, 2015	Apr 24, 2015	0.098581
Apr 27, 2015	May 22, 2015	0.097847
May 26, 2015	Jun 24, 2015	0.089027
Jun 25, 2015		0.087119

2A5 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.994708
Jul 25, 2007	Aug 24, 2007	0.922834
Aug 27, 2007	Sep 24, 2007	0.918298
Sep 25, 2007	Oct 24, 2007	0.903072
Oct 25, 2007	Nov 23, 2007	0.898746
Nov 26, 2007	Dec 24, 2007	0.893996
Dec 26, 2007	Jan 24, 2008	0.888017
Jan 25, 2008	Feb 22, 2008	0.883420
Feb 25, 2008	Mar 24, 2008	0.870219
Mar 25, 2008	Apr 24, 2008	0.822365
Apr 25, 2008	May 23, 2008	0.815831
May 27, 2008	Jun 24, 2008	0.811236
Jun 25, 2008	Jul 24, 2008	0.806113
Jul 25, 2008	Aug 22, 2008	0.784006
Aug 25, 2008	Sep 24, 2008	0.739220
Sep 25, 2008	Oct 24, 2008	0.713137
Oct 27, 2008	Nov 24, 2008	0.708433
Nov 25, 2008	Dec 24, 2008	0.700052
Dec 26, 2008	Jan 23, 2009	0.671480
Jan 26, 2009	Feb 24, 2009	0.667859
Feb 25, 2009	Mar 24, 2009	0.661723
Mar 25, 2009	Apr 24, 2009	0.641177
Apr 27, 2009	May 22, 2009	0.558880
May 26, 2009	Jun 24, 2009	0.538396
Jun 25, 2009	Jul 24, 2009	0.529527
Jul 27, 2009	Aug 24, 2009	0.519442
Aug 25, 2009	Sep 24, 2009	0.492581
Sep 25, 2009	Oct 23, 2009	0.483536
Oct 26, 2009	Nov 24, 2009	0.448153
Nov 25, 2009	Dec 24, 2009	0.443789
Dec 28, 2009	Jan 22, 2010	0.438988
Jan 25, 2010	Feb 24, 2010	0.420457
Feb 25, 2010	Mar 24, 2010	0.414105
Mar 25, 2010	Apr 23, 2010	0.411780
Apr 26, 2010	May 24, 2010	0.380193
May 25, 2010	Jun 24, 2010	0.376271
Jun 25, 2010	Jul 23, 2010	0.370924
Jul 26, 2010	Aug 24, 2010	0.368657
Aug 25, 2010	Sep 24, 2010	0.366144
Sep 27, 2010	Oct 22, 2010	0.360262
Oct 25, 2010	Nov 24, 2010	0.357984
Nov 26, 2010	Dec 23, 2010	0.345807
Dec 27, 2010	Jan 24, 2011	0.341074
Jan 25, 2011	Feb 24, 2011	0.338683
Feb 25, 2011	Mar 24, 2011	0.336305
Mar 25, 2011	Apr 22, 2011	0.313980
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.302186
Jun 27, 2011	Jul 24, 2011 Jul 22, 2011	0.295824
Jul 25, 2011	Aug 24, 2011	0.290655
Jul 23, 2011	Aug 24, 2011	0.278287

2A5 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.276425
Sep 26, 2011	Oct 24, 2011	0.260763
Oct 25, 2011	Nov 23, 2011	0.257503
Nov 25, 2011	Dec 23, 2011	0.255718
Dec 27, 2011	Jan 24, 2012	0.251857
Jan 25, 2012	Feb 24, 2012	0.247095
Feb 27, 2012	Mar 23, 2012	0.245694
Mar 26, 2012	Apr 24, 2012	0.243886
Apr 25, 2012	May 24, 2012	0.242128
May 25, 2012	Jun 22, 2012	0.239467
Jun 25, 2012	Jul 24, 2012	0.231260
Jul 25, 2012	Aug 24, 2012	0.229441
Aug 27, 2012	Sep 24, 2012	0.221116
Sep 25, 2012	Oct 24, 2012	0.219140
Oct 25, 2012	Nov 23, 2012	0.217464
Nov 26, 2012	Dec 24, 2012	0.206958
Dec 26, 2012	Jan 24, 2013	0.204361
Jan 25, 2013	Feb 22, 2013	0.200033
Feb 25, 2013	Mar 22, 2013	0.198604
Mar 25, 2013	Apr 24, 2013	0.196796
Apr 25, 2013	May 24, 2013	0.194663
May 28, 2013	Jun 24, 2013	0.185558
Jun 25, 2013	Jul 24, 2013	0.181698
Jul 25, 2013	Aug 23, 2013	0.179216
Aug 26, 2013	Sep 24, 2013	0.176275
Sep 25, 2013	Oct 24, 2013	0.174627
Oct 25, 2013	Nov 22, 2013	0.172656
Nov 25, 2013	Dec 24, 2013	0.170725
Dec 26, 2013	Jan 24, 2014	0.169346
Jan 27, 2014	Feb 24, 2014	0.167970
Feb 25, 2014	Mar 24, 2014	0.167970
Mar 25, 2014	Apr 24, 2014	0.166674
Apr 25, 2014	May 23, 2014	0.165270
May 27, 2014	Jun 24, 2014	0.164011
Jun 25, 2014	Jul 24, 2014	0.162561
Jul 25, 2014	Aug 22, 2014	0.162561
Aug 25, 2014	Sep 24, 2014	0.161376
Sep 25, 2014	Oct 24, 2014	0.160114
Oct 27, 2014	Nov 24, 2014	0.155913
Nov 25, 2014	Dec 24, 2014	0.154217
Dec 26, 2014	Jan 23, 2015	0.152777
Jan 26, 2015	Feb 24, 2015	0.152777
Feb 25, 2015	Mar 24, 2015	0.151517
Mar 25, 2015	Apr 24, 2015	0.150259
Apr 27, 2015	May 22, 2015	0.150259
May 26, 2015	Jun 24, 2015	0.135286
Jun 25, 2015		0.134380

2A6 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.993600
Jul 25, 2007	Aug 24, 2007	0.975108
Aug 27, 2007	Sep 24, 2007	0.966589
Sep 25, 2007	Oct 24, 2007	0.955513
Oct 25, 2007	Nov 23, 2007	0.947129
Nov 26, 2007	Dec 24, 2007	0.941470
Dec 26, 2007	Jan 24, 2008	0.929739
Jan 25, 2008	Feb 22, 2008	0.918812
Feb 25, 2008	Mar 24, 2008	0.883471
Mar 25, 2008	Apr 24, 2008	0.853658
Apr 25, 2008	May 23, 2008	0.838571
May 27, 2008	Jun 24, 2008	0.821388
Jun 25, 2008	Jul 24, 2008	0.811045
Jul 25, 2008	Aug 22, 2008	0.804369
Aug 25, 2008	Sep 24, 2008	0.796566
Sep 25, 2008	Oct 24, 2008	0.780954
Oct 27, 2008	Nov 24, 2008	0.758520
Nov 25, 2008	Dec 24, 2008	0.750010
Dec 26, 2008	Jan 23, 2009	0.743206
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	0.731046 0.717693
Mar 25, 2009	Apr 24, 2009	
Apr 27, 2009	May 22, 2009	0.706078
May 26, 2009	Jun 24, 2009	0.682648
Jun 25, 2009	Jul 24, 2009	0.646694
Jul 27, 2009	Aug 24, 2009	0.620106
Aug 25, 2009	Sep 24, 2009	0.599479 0.577588
Sep 25, 2009	Oct 23, 2009	0.551687
Oct 26, 2009	Nov 24, 2009	0.544800
Nov 25, 2009	Dec 24, 2009	0.519319
Dec 28, 2009	Jan 22, 2010	0.501210
Jan 25, 2010	Feb 24, 2010	0.462008
Feb 25, 2010	Mar 24, 2010	0.438394
Mar 25, 2010	Apr 23, 2010	0.399779
Apr 26, 2010	May 24, 2010	0.393038
May 25, 2010	Jun 24, 2010	0.376158
Jun 25, 2010	Jul 23, 2010	0.358411
Jul 26, 2010	Aug 24, 2010	0.346106
Aug 25, 2010	Sep 24, 2010	0.327897
Sep 27, 2010	Oct 22, 2010	0.307315
Oct 25, 2010	Nov 24, 2010	0.275344
Nov 26, 2010	Dec 23, 2010	0.263899
Dec 27, 2010	Jan 24, 2011	0.251781
Jan 25, 2011	Feb 24, 2011	0.233030
Feb 25, 2011	Mar 24, 2011	0.227885
Mar 25, 2011	Apr 22, 2011	0.220570
Apr 25, 2011	May 24, 2011	0.203119
May 25, 2011	Jun 24, 2011	0.185112
Jun 27, 2011	Jul 22, 2011	0.175806
Jul 25, 2011	Aug 24, 2011	0.161276

2A6 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.157863
Sep 26, 2011	Oct 24, 2011	0.146766
Oct 25, 2011	Nov 23, 2011	0.143072
Nov 25, 2011	Dec 23, 2011	0.132731
Dec 27, 2011	Jan 24, 2012	0.126122
Jan 25, 2012	Feb 24, 2012	0.121102
Feb 27, 2012	Mar 23, 2012	0.117764
Mar 26, 2012	Apr 24, 2012	0.111303
Apr 25, 2012	May 24, 2012	0.108847
May 25, 2012	Jun 22, 2012	0.104138
Jun 25, 2012	Jul 24, 2012	0.096089
Jul 25, 2012	Aug 24, 2012	0.093283
Aug 27, 2012	Sep 24, 2012	0.089543
Sep 25, 2012	Oct 24, 2012	0.087593
Oct 25, 2012	Nov 23, 2012	0.084701
Nov 26, 2012	Dec 24, 2012	0.083898
Dec 26, 2012	Jan 24, 2013	0.081229
Jan 25, 2013	Feb 22, 2013	0.072189
Feb 25, 2013	Mar 22, 2013	0.070348
Mar 25, 2013	Apr 24, 2013	0.067509
Apr 25, 2013	May 24, 2013	0.060409
May 28, 2013	Jun 24, 2013	0.059822
Jun 25, 2013	Jul 24, 2013	0.053865
Jul 25, 2013	Aug 23, 2013	0.052885
Aug 26, 2013	Sep 24, 2013	0.051056
Sep 25, 2013	Oct 24, 2013	0.048155
Oct 25, 2013	Nov 22, 2013	0.047743
Nov 25, 2013	Dec 24, 2013	0.045934
Dec 26, 2013	Jan 24, 2014	0.045528
Jan 27, 2014	Feb 24, 2014	0.044004
Feb 25, 2014	Mar 24, 2014	0.042976
Mar 25, 2014	Apr 24, 2014	0.042580
Apr 25, 2014	May 23, 2014	0.042580
May 27, 2014	Jun 24, 2014	0.042171
Jun 25, 2014	Jul 24, 2014	0.042171
Jul 25, 2014	Aug 22, 2014	0.041710
Aug 25, 2014	Sep 24, 2014	0.041227
Sep 25, 2014	Oct 24, 2014	0.040928
Oct 27, 2014	Nov 24, 2014	0.040579
Nov 25, 2014	Dec 24, 2014	0.040201
Dec 26, 2014	Jan 23, 2015	0.039751
Jan 26, 2015	Feb 24, 2015	0.037960
Feb 25, 2015	Mar 24, 2015	0.036957
Mar 25, 2015	Apr 24, 2015	0.036621
Apr 27, 2015	May 22, 2015	0.036286
May 26, 2015	Jun 24, 2015	0.035822
Jun 25, 2015		0.035228

2A7 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
JUI 23, 2011	1146 27, 2011	1.000000

2A7 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	0.927726
Dec 27, 2011	Jan 24, 2012	0.881531
Jan 25, 2012	Feb 24, 2012	0.846442
Feb 27, 2012	Mar 23, 2012	0.823109
Mar 26, 2012	Apr 24, 2012	0.777950
Apr 25, 2012	May 24, 2012	0.760784
May 25, 2012	Jun 22, 2012	0.727872
Jun 25, 2012	Jul 24, 2012	0.671613
Jul 25, 2012	Aug 24, 2012	0.652003
Aug 27, 2012	Sep 24, 2012	0.625862
Sep 25, 2012	Oct 24, 2012	0.612233
Oct 25, 2012	Nov 23, 2012	0.592016
Nov 26, 2012	Dec 24, 2012	0.586406
Dec 26, 2012	Jan 24, 2013	0.567750
Jan 25, 2013	Feb 22, 2013	0.504564
Feb 25, 2013	Mar 22, 2013	0.491700
Mar 25, 2013	Apr 24, 2013	0.471853
Apr 25, 2013	May 24, 2013	0.422228
May 28, 2013	Jun 24, 2013	0.418125
Jun 25, 2013	Jul 24, 2013	0.376492
Jul 25, 2013	Aug 23, 2013	0.369639
Aug 26, 2013	Sep 24, 2013	0.356855
Sep 25, 2013	Oct 24, 2013	0.336577
Oct 25, 2013	Nov 22, 2013	0.333698
Nov 25, 2013	Dec 24, 2013	0.321057
Dec 26, 2013	Jan 24, 2014	0.318215
Jan 27, 2014	Feb 24, 2014	0.307565
Feb 25, 2014	Mar 24, 2014	0.300383
Mar 25, 2014	Apr 24, 2014	0.297610
Apr 25, 2014	May 23, 2014	0.297610
May 27, 2014	Jun 24, 2014	0.294753
Jun 25, 2014	Jul 24, 2014	0.294753
Jul 25, 2014	Aug 22, 2014	0.291533
Aug 25, 2014	Sep 24, 2014	0.288153
Sep 25, 2014	Oct 24, 2014	0.286069
Oct 27, 2014	Nov 24, 2014	0.283624
Nov 25, 2014	Dec 24, 2014	0.280982
Dec 26, 2014	Jan 23, 2015	0.277839
Jan 26, 2015	Feb 24, 2015	0.265318
Feb 25, 2015	Mar 24, 2015	0.258324
Mar 25, 2015	Apr 24, 2015	0.255977
Apr 27, 2015	May 22, 2015	0.253632
May 26, 2015	Jun 24, 2015	0.250390
Jun 25, 2015		0.246234

3A1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.996745
Jul 25, 2007	Aug 24, 2007	0.994094
Aug 27, 2007	Sep 24, 2007	0.991471
Sep 25, 2007	Oct 24, 2007	0.939601
Oct 25, 2007	Nov 23, 2007	0.937056
Nov 26, 2007	Dec 24, 2007	0.934529
Dec 26, 2007	Jan 24, 2008	0.931960
Jan 25, 2008	Feb 22, 2008	0.907240
Feb 25, 2008	Mar 24, 2008	0.904682
Mar 25, 2008	Apr 24, 2008	0.902111
Apr 25, 2008	May 23, 2008	0.892480
May 27, 2008	Jun 24, 2008	0.819791
Jun 25, 2008	Jul 24, 2008	0.817051
Jul 25, 2008	Aug 22, 2008	0.814315
Aug 25, 2008	Sep 24, 2008	0.811513
Sep 25, 2008	Oct 24, 2008	0.761490
Oct 27, 2008	Nov 24, 2008	0.759003
Nov 25, 2008	Dec 24, 2008	0.756749
Dec 26, 2008	Jan 23, 2009	0.754486
Jan 26, 2009	Feb 24, 2009	0.752196
Feb 25, 2009	Mar 24, 2009	0.749874
Mar 25, 2009	Apr 24, 2009	0.706690
Apr 27, 2009	May 22, 2009	0.683912
May 26, 2009	Jun 24, 2009	0.681782
Jun 25, 2009	Jul 24, 2009	0.679644
Jul 27, 2009	Aug 24, 2009	0.677430
Aug 25, 2009	Sep 24, 2009	0.674653
Sep 25, 2009	Oct 23, 2009	0.672281
Oct 26, 2009	Nov 24, 2009	0.670592
Nov 25, 2009	Dec 24, 2009	0.668405
Dec 28, 2009	Jan 22, 2010	0.666199
Jan 25, 2010	Feb 24, 2010	0.663935
Feb 25, 2010	Mar 24, 2010	0.661559
Mar 25, 2010	Apr 23, 2010	0.659057
Apr 26, 2010	May 24, 2010	0.656812
May 25, 2010	Jun 24, 2010	0.654598
Jun 25, 2010	Jul 23, 2010	0.652373
Jul 26, 2010	Aug 24, 2010	0.633455
Aug 25, 2010	Sep 24, 2010	0.631217
Sep 27, 2010	Oct 22, 2010	0.563800
Oct 25, 2010	Nov 24, 2010	0.544889
Nov 26, 2010	Dec 23, 2010	0.539167
Dec 27, 2010	Jan 24, 2011	0.521062
Jan 25, 2011	Feb 24, 2011	0.519160
Feb 25, 2011	Mar 24, 2011	0.413810
Mar 25, 2011	Apr 22, 2011	0.412242
Apr 25, 2011	May 24, 2011	0.410656
May 25, 2011	Jun 24, 2011	0.409029
Jun 27, 2011	Jul 22, 2011	0.407439
Jul 25, 2011	Aug 24, 2011	0.405841

3A1 Certificate Factor Chart

From	То	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.404246
Sep 26, 2011	Oct 24, 2011	0.361173
Oct 25, 2011	Nov 23, 2011	0.359726
Nov 25, 2011	Dec 23, 2011	0.358273
Dec 27, 2011	Jan 24, 2012	0.356661
Jan 25, 2012	Feb 24, 2012	0.355062
Feb 27, 2012	Mar 23, 2012	0.353238
Mar 26, 2012	Apr 24, 2012	0.351618
Apr 25, 2012	May 24, 2012	0.350127
May 25, 2012	Jun 22, 2012	0.336796
Jun 25, 2012	Jul 24, 2012	0.335406
Jul 25, 2012	Aug 24, 2012	0.334007
Aug 27, 2012	Sep 24, 2012	0.332403
Sep 25, 2012	Oct 24, 2012	0.309871
Oct 25, 2012	Nov 23, 2012	0.288480
Nov 26, 2012	Dec 24, 2012	0.268294
Dec 26, 2012	Jan 24, 2013	0.267196
Jan 25, 2013	Feb 22, 2013	0.265901
Feb 25, 2013	Mar 22, 2013	0.264810
Mar 25, 2013	Apr 24, 2013	0.263703
Apr 25, 2013	May 24, 2013	0.262602
May 28, 2013	Jun 24, 2013	0.237573
Jun 25, 2013	Jul 24, 2013	0.236588
Jul 25, 2013	Aug 23, 2013	0.235642
Aug 26, 2013	Sep 24, 2013	0.234692
Sep 25, 2013	Oct 24, 2013	0.233595
Oct 25, 2013	Nov 22, 2013	0.232634
Nov 25, 2013	Dec 24, 2013	0.231658
Dec 26, 2013	Jan 24, 2014	0.231658
Jan 27, 2014	Feb 24, 2014	0.231561
Feb 25, 2014	Mar 24, 2014	0.230513
Mar 25, 2014	Apr 24, 2014	0.229461
Apr 25, 2014	May 23, 2014	0.228497
May 27, 2014	Jun 24, 2014	0.227428
Jun 25, 2014	Jul 24, 2014	0.226922
Jul 25, 2014	Aug 22, 2014	0.225916
Aug 25, 2014	Sep 24, 2014	0.224924
Sep 25, 2014	Oct 24, 2014	0.223762
Oct 27, 2014	Nov 24, 2014	0.222737
Nov 25, 2014	Dec 24, 2014	0.221713
Dec 26, 2014	Jan 23, 2015	0.220708
Jan 26, 2015	Feb 24, 2015	0.219488
Feb 25, 2015	Mar 24, 2015	0.218481
Mar 25, 2015	Apr 24, 2015	0.217441
Apr 27, 2015	May 22, 2015	0.216394
May 26, 2015	Jun 24, 2015	0.215344
Jun 25, 2015		0.214289

3A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.996757
Jul 25, 2007	Aug 24, 2007	0.994176
Aug 27, 2007	Sep 24, 2007	0.991162
Sep 25, 2007	Oct 24, 2007	0.954085
Oct 25, 2007	Nov 23, 2007	0.951439
Nov 26, 2007	Dec 24, 2007	0.948784
Dec 26, 2007	Jan 24, 2008	0.946101
Jan 25, 2008	Feb 22, 2008	0.913186
Feb 25, 2008	Mar 24, 2008	0.895842
Mar 25, 2008	Apr 24, 2008	0.878156
Apr 25, 2008	May 23, 2008	0.865385
May 27, 2008	Jun 24, 2008	0.857550
Jun 25, 2008	Jul 24, 2008	0.854331
Jul 25, 2008	Aug 22, 2008	0.849338
Aug 25, 2008	Sep 24, 2008	0.846308
Sep 25, 2008	Oct 24, 2008	0.841332
Oct 27, 2008	Nov 24, 2008	0.833780
Nov 25, 2008	Dec 24, 2008	0.790617
Dec 26, 2008	Jan 23, 2009	0.780873
Jan 26, 2009	Feb 24, 2009	0.778497
Feb 25, 2009	Mar 24, 2009	0.753353
Mar 25, 2009	Apr 24, 2009	0.750903
Apr 27, 2009	May 22, 2009	0.741428
May 26, 2009	Jun 24, 2009	0.725997
Jun 25, 2009	Jul 24, 2009	0.715517
Jul 27, 2009	Aug 24, 2009	0.712874
Aug 25, 2009	Sep 24, 2009	0.694701
Sep 25, 2009	Oct 23, 2009	0.692172
Oct 26, 2009	Nov 24, 2009	0.689746
Nov 25, 2009	Dec 24, 2009	0.687065
Dec 28, 2009	Jan 22, 2010	0.684231
Jan 25, 2010	Feb 24, 2010	0.681849
Feb 25, 2010	Mar 24, 2010	0.679359
Mar 25, 2010	Apr 23, 2010	0.637456
Apr 26, 2010	May 24, 2010	0.633283
May 25, 2010	Jun 24, 2010	0.619871
Jun 25, 2010	Jul 23, 2010	0.617330
Jul 26, 2010	Aug 24, 2010	0.600273
Aug 25, 2010	Sep 24, 2010	0.569222
Sep 27, 2010	Oct 22, 2010	0.566649
Oct 25, 2010	Nov 24, 2010	0.547133
Nov 26, 2010	Dec 23, 2010	0.540174
Dec 27, 2010	Jan 24, 2011	0.521177
Jan 25, 2011	Feb 24, 2011	0.518810
Feb 25, 2011	Mar 24, 2011	0.501171
Mar 25, 2011	Apr 22, 2011 May 24, 2011	0.498712
Apr 25, 2011 May 25, 2011	Jun 24, 2011	0.496480
Jun 27, 2011	Jul 22, 2011	0.470733
Jul 25, 2011	Aug 24, 2011	0.467558
Jui 23, 2011	7u6 27, 2011	0.465289

3A2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.462966
Sep 26, 2011	Oct 24, 2011	0.418539
Oct 25, 2011	Nov 23, 2011	0.416506
Nov 25, 2011	Dec 23, 2011	0.409832
Dec 27, 2011	Jan 24, 2012	0.409832
Jan 25, 2012	Feb 24, 2012	0.409418
Feb 27, 2012	Mar 23, 2012	0.407784
Mar 26, 2012	Apr 24, 2012	0.402568
Apr 25, 2012	May 24, 2012	0.400881
May 25, 2012	Jun 22, 2012	0.379665
Jun 25, 2012	Jul 24, 2012	0.379352
Jul 25, 2012	Aug 24, 2012	0.377861
Aug 27, 2012	Sep 24, 2012	0.368464
Sep 25, 2012	Oct 24, 2012	0.367046
Oct 25, 2012	Nov 23, 2012	0.345136
Nov 26, 2012	Dec 24, 2012	0.315221
Dec 26, 2012	Jan 24, 2013	0.314086
Jan 25, 2013	Feb 22, 2013	0.312938
Feb 25, 2013	Mar 22, 2013	0.301620
Mar 25, 2013	Apr 24, 2013	0.300484
Apr 25, 2013	May 24, 2013	0.260797
May 28, 2013	Jun 24, 2013	0.259826
Jun 25, 2013	Jul 24, 2013	0.258766
Jul 25, 2013	Aug 23, 2013	0.257789
Aug 26, 2013	Sep 24, 2013	0.256760
Sep 25, 2013	Oct 24, 2013	0.254371
Oct 25, 2013	Nov 22, 2013	0.253398
Nov 25, 2013	Dec 24, 2013	0.252421
Dec 26, 2013	Jan 24, 2014	0.242649
Jan 27, 2014	Feb 24, 2014	0.226967
Feb 25, 2014	Mar 24, 2014	0.226054
Mar 25, 2014	Apr 24, 2014	0.225101
Apr 25, 2014	May 23, 2014	0.222799
May 27, 2014	Jun 24, 2014	0.221860
Jun 25, 2014	Jul 24, 2014	0.214915
Jul 25, 2014	Aug 22, 2014	0.213979
Aug 25, 2014	Sep 24, 2014	0.212986
Sep 25, 2014	Oct 24, 2014	0.212016
Oct 27, 2014	Nov 24, 2014	0.211067
Nov 25, 2014	Dec 24, 2014	0.210123
Dec 26, 2014	Jan 23, 2015	0.209213
Jan 26, 2015	Feb 24, 2015	0.208259
Feb 25, 2015	Mar 24, 2015	0.207353
Mar 25, 2015	Apr 24, 2015	0.202268
Apr 27, 2015	May 22, 2015	0.201283
May 26, 2015	Jun 24, 2015	0.200324
Jun 25, 2015		0.199304

3A3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.996997
Jul 25, 2007	Aug 24, 2007	0.994546
Aug 27, 2007	Sep 24, 2007	0.991789
Sep 25, 2007	Oct 24, 2007	0.963356
Oct 25, 2007	Nov 23, 2007	0.960909
Nov 26, 2007	Dec 24, 2007	0.958318
Dec 26, 2007	Jan 24, 2008	0.955816
Jan 25, 2008	Feb 22, 2008	0.952342
Feb 25, 2008	Mar 24, 2008	0.916687
Mar 25, 2008	Apr 24, 2008	0.880500
Apr 25, 2008	May 23, 2008	0.877812
May 27, 2008	Jun 24, 2008	0.875652
Jun 25, 2008	Jul 24, 2008	0.872719
Jul 25, 2008	Aug 22, 2008	0.868439
Aug 25, 2008	Sep 24, 2008	0.865680
Sep 25, 2008	Oct 24, 2008	0.863510
Oct 27, 2008	Nov 24, 2008	0.857334
Nov 25, 2008	Dec 24, 2008	0.854917
Dec 26, 2008	Jan 23, 2009	0.846975
Jan 26, 2009	Feb 24, 2009	0.844608
Feb 25, 2009	Mar 24, 2009	0.825057
Mar 25, 2009	Apr 24, 2009	0.822544
Apr 27, 2009	May 22, 2009	0.819888
May 26, 2009	Jun 24, 2009	0.788604
Jun 25, 2009	Jul 24, 2009	0.768402
Jul 27, 2009	Aug 24, 2009	0.766047
Aug 25, 2009	Sep 24, 2009	0.731184
Sep 25, 2009	Oct 23, 2009	0.728876
Oct 26, 2009	Nov 24, 2009	0.726523
Nov 25, 2009	Dec 24, 2009	0.723980
Dec 28, 2009	Jan 22, 2010	0.721339
Jan 25, 2010	Feb 24, 2010	0.719017
Feb 25, 2010	Mar 24, 2010	0.716628
Mar 25, 2010	Apr 23, 2010	0.625135
Apr 26, 2010	May 24, 2010	0.618861
May 25, 2010	Jun 24, 2010	0.608422
Jun 25, 2010	Jul 23, 2010	0.606383
Jul 26, 2010	Aug 24, 2010	0.575166
Aug 25, 2010	Sep 24, 2010	0.572898
Sep 27, 2010	Oct 22, 2010	0.570597
Oct 25, 2010	Nov 24, 2010	0.568560
Nov 26, 2010	Dec 23, 2010	0.565800
Dec 27, 2010	Jan 24, 2011	0.563746
Jan 25, 2011	Feb 24, 2011	0.561729
Feb 25, 2011	Mar 24, 2011	0.559696
Mar 25, 2011	Apr 22, 2011	0.557471
Apr 25, 2011	May 24, 2011	0.555397
May 25, 2011	Jun 24, 2011	0.535719
Jun 27, 2011	Jul 22, 2011	0.533730
Jul 25, 2011	Aug 24, 2011	0.531742

3A3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.529704
Sep 26, 2011	Oct 24, 2011	0.483948
Oct 25, 2011	Nov 23, 2011	0.481897
Nov 25, 2011	Dec 23, 2011	0.480411
Dec 27, 2011	Jan 24, 2012	0.478523
Jan 25, 2012	Feb 24, 2012	0.476614
Feb 27, 2012	Mar 23, 2012	0.474838
Mar 26, 2012	Apr 24, 2012	0.465100
Apr 25, 2012	May 24, 2012	0.463713
May 25, 2012	Jun 22, 2012	0.462046
Jun 25, 2012	Jul 24, 2012	0.462046
Jul 25, 2012	Aug 24, 2012	0.462046
Aug 27, 2012	Sep 24, 2012	0.455408
Sep 25, 2012	Oct 24, 2012	0.454147
Oct 25, 2012	Nov 23, 2012	0.452763
Nov 26, 2012	Dec 24, 2012	0.444385
Dec 26, 2012	Jan 24, 2013	0.442807
Jan 25, 2013	Feb 22, 2013	0.441279
Feb 25, 2013	Mar 22, 2013	0.388827
Mar 25, 2013	Apr 24, 2013	0.387376
Apr 25, 2013	May 24, 2013	0.356910
May 28, 2013	Jun 24, 2013	0.355873
Jun 25, 2013	Jul 24, 2013	0.354386
Jul 25, 2013	Aug 23, 2013	0.353079
Aug 26, 2013	Sep 24, 2013	0.351915
Sep 25, 2013	Oct 24, 2013	0.341208
Oct 25, 2013	Nov 22, 2013	0.340035
Nov 25, 2013	Dec 24, 2013	0.338905
Dec 26, 2013	Jan 24, 2014	0.331542
Jan 27, 2014	Feb 24, 2014	0.291201
Feb 25, 2014	Mar 24, 2014	0.290061
Mar 25, 2014	Apr 24, 2014	0.288819
Apr 25, 2014	May 23, 2014	0.284476
May 27, 2014	Jun 24, 2014	0.283295
Jun 25, 2014	Jul 24, 2014	0.268539
Jul 25, 2014	Aug 22, 2014	0.267347
Aug 25, 2014	Sep 24, 2014	0.266152
Sep 25, 2014	Oct 24, 2014	0.264940
Oct 27, 2014	Nov 24, 2014	0.263730
Nov 25, 2014	Dec 24, 2014	0.262640
Dec 26, 2014	Jan 23, 2015	0.261597
Jan 26, 2015	Feb 24, 2015	0.260495
Feb 25, 2015	Mar 24, 2015	0.259446
Mar 25, 2015	Apr 24, 2015	0.230494
Apr 27, 2015	May 22, 2015	0.229332
May 26, 2015	Jun 24, 2015	0.228210
Jun 25, 2015		0.227118

AP Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.991819
Jul 25, 2007	Aug 24, 2007	0.986937
Aug 27, 2007	Sep 24, 2007	0.981344
Sep 25, 2007	Oct 24, 2007	0.962951
Oct 25, 2007	Nov 23, 2007	0.958048
Nov 26, 2007	Dec 24, 2007	0.952928
Dec 26, 2007	Jan 24, 2008	0.947820
Jan 25, 2008	Feb 22, 2008	0.942747
Feb 25, 2008	Mar 24, 2008	0.937654
Mar 25, 2008	Apr 24, 2008	0.932677
Apr 25, 2008	May 23, 2008	0.927105
May 27, 2008	Jun 24, 2008	0.921563
Jun 25, 2008	Jul 24, 2008	0.916374
Jul 25, 2008	Aug 22, 2008	0.911038
Aug 25, 2008	Sep 24, 2008	0.905705
Sep 25, 2008	Oct 24, 2008	0.866234
Oct 27, 2008	Nov 24, 2008	0.860779
Nov 25, 2008	Dec 24, 2008	0.855507
Dec 26, 2008	Jan 23, 2009	0.850165
Jan 26, 2009	Feb 24, 2009	0.844882
Feb 25, 2009	Mar 24, 2009	0.839560
Mar 25, 2009	Apr 24, 2009	0.758133
Apr 27, 2009	May 22, 2009	0.750621
May 26, 2009	Jun 24, 2009	0.745950
Jun 25, 2009	Jul 24, 2009	0.741098
Jul 27, 2009	Aug 24, 2009	0.736363
Aug 25, 2009	Sep 24, 2009	0.731430
Sep 25, 2009	Oct 23, 2009	0.701370
Oct 26, 2009	Nov 24, 2009	0.696994
Nov 25, 2009	Dec 24, 2009	0.692490
Dec 28, 2009	Jan 22, 2010	0.560005
Jan 25, 2010	Feb 24, 2010	0.556360
Feb 25, 2010	Mar 24, 2010	0.552802
Mar 25, 2010	Apr 23, 2010	0.548744
Apr 26, 2010	May 24, 2010	0.543779
May 25, 2010	Jun 24, 2010	0.539978
Jun 25, 2010	Jul 23, 2010	0.534806
Jul 26, 2010	Aug 24, 2010	0.531145
Aug 25, 2010	Sep 24, 2010	0.525415
Sep 27, 2010	Oct 22, 2010	0.503591
Oct 25, 2010	Nov 24, 2010	0.500066
Nov 26, 2010	Dec 23, 2010	0.496517
Dec 27, 2010	Jan 24, 2011	0.492925
Jan 25, 2011	Feb 24, 2011	0.489339
Feb 25, 2011	Mar 24, 2011	0.468435
Mar 25, 2011	Apr 22, 2011	0.464527
Apr 25, 2011	May 24, 2011	0.460556
May 25, 2011	Jun 24, 2011	0.456635
Jun 27, 2011	Jul 22, 2011	0.452735
Jul 25, 2011	Aug 24, 2011	0.434966

AP Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.431183
Sep 26, 2011	Oct 24, 2011	0.425988
Oct 25, 2011	Nov 23, 2011	0.422598
Nov 25, 2011	Dec 23, 2011	0.419194
Dec 27, 2011	Jan 24, 2012	0.415728
Jan 25, 2012	Feb 24, 2012	0.412300
Feb 27, 2012	Mar 23, 2012	0.408470
Mar 26, 2012	Apr 24, 2012	0.283368
Apr 25, 2012	May 24, 2012	0.256835
May 25, 2012	Jun 22, 2012	0.253403
Jun 25, 2012	Jul 24, 2012	0.250455
Jul 25, 2012	Aug 24, 2012	0.247339
Aug 27, 2012	Sep 24, 2012	0.244140
Sep 25, 2012	Oct 24, 2012	0.178970
Oct 25, 2012	Nov 23, 2012	0.170321
Nov 26, 2012	Dec 24, 2012	0.167976
Dec 26, 2012	Jan 24, 2013	0.165333
Jan 25, 2013	Feb 22, 2013	0.099615
Feb 25, 2013	Mar 22, 2013	0.097358
Mar 25, 2013	Apr 24, 2013	0.094913
Apr 25, 2013	May 24, 2013	0.092462
May 28, 2013	Jun 24, 2013	0.090234
Jun 25, 2013	Jul 24, 2013	0.088868
Jul 25, 2013	Aug 23, 2013	0.087497
Aug 26, 2013	Sep 24, 2013	0.086121
Sep 25, 2013	Oct 24, 2013	0.084740
Oct 25, 2013	Nov 22, 2013	0.083375
Nov 25, 2013	Dec 24, 2013	0.081963
Dec 26, 2013	Jan 24, 2014	0.080598
Jan 27, 2014	Feb 24, 2014	0.079197
Feb 25, 2014	Mar 24, 2014	0.078158
Mar 25, 2014	Apr 24, 2014	0.076768
Apr 25, 2014	May 23, 2014	0.075357
May 27, 2014	Jun 24, 2014	0.073938
Jun 25, 2014	Jul 24, 2014	0.073909
Jul 25, 2014	Aug 22, 2014	0.038454
Aug 25, 2014	Sep 24, 2014	0.036796
Sep 25, 2014	Oct 24, 2014	0.036099
Oct 27, 2014	Nov 24, 2014	0.035452
Nov 25, 2014	Dec 24, 2014	0.034744
Dec 26, 2014	Jan 23, 2015	0.034034
Jan 26, 2015	Feb 24, 2015	0.034034
Feb 25, 2015	Mar 24, 2015	0.033319
Mar 25, 2015	Apr 24, 2015	0.032600
Apr 27, 2015	May 22, 2015	0.031880
May 26, 2015	Jun 24, 2015	0.031156
Jun 25, 2015		0.030580

AX Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.996068
Jul 25, 2007	Aug 24, 2007	0.863469
Aug 27, 2007	Sep 24, 2007	0.859123
Sep 25, 2007	Oct 24, 2007	0.855650
Oct 25, 2007	Nov 23, 2007	0.852157
Nov 26, 2007	Dec 24, 2007	0.848645
Dec 26, 2007	Jan 24, 2008	0.845113
Jan 25, 2008	Feb 22, 2008	0.840674
Feb 25, 2008	Mar 24, 2008	0.837076
Mar 25, 2008	Apr 24, 2008	0.747308
Apr 25, 2008	May 23, 2008	0.744027
May 27, 2008	Jun 24, 2008	0.740728
Jun 25, 2008	Jul 24, 2008	0.737200
Jul 25, 2008	Aug 22, 2008	0.732871
Aug 25, 2008	Sep 24, 2008	0.573368
Sep 25, 2008	Oct 24, 2008	0.570627
Oct 27, 2008	Nov 24, 2008	0.567870
Nov 25, 2008	Dec 24, 2008	0.565099
Dec 26, 2008	Jan 23, 2009	0.470072
Jan 26, 2009	Feb 24, 2009	0.468115
Feb 25, 2009	Mar 24, 2009	0.466148
Mar 25, 2009	Apr 24, 2009	0.464169
Apr 27, 2009	May 22, 2009	0.091734
May 26, 2009	Jun 24, 2009	0.091328
Jun 25, 2009	Jul 24, 2009	0.090918
Jul 27, 2009	Aug 24, 2009	0.090507
Aug 25, 2009	Sep 24, 2009	0.090093
Sep 25, 2009	Oct 23, 2009	0.089677
Oct 26, 2009	Nov 24, 2009	0.089258
Nov 25, 2009	Dec 24, 2009	0.088838
Dec 28, 2009	Jan 22, 2010	0.088414
Jan 25, 2010	Feb 24, 2010	0.087989
Feb 25, 2010	Mar 24, 2010	0.087561
Mar 25, 2010	Apr 23, 2010	0.087130
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Jui 23, 2011	Aug 24, 2011	0.000000

AX Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

B1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.998875
Jul 25, 2007	Aug 24, 2007	0.997740
Aug 27, 2007	Sep 24, 2007	0.996596
Sep 25, 2007	Oct 24, 2007	0.995441
Oct 25, 2007	Nov 23, 2007	0.994277
Nov 26, 2007	Dec 24, 2007	0.993104
Dec 26, 2007	Jan 24, 2008	0.991925
Jan 25, 2008	Feb 22, 2008	0.990736
Feb 25, 2008	Mar 24, 2008	0.989536
Mar 25, 2008	Apr 24, 2008	0.988325
Apr 25, 2008	May 23, 2008	0.987105
May 27, 2008	Jun 24, 2008	0.985877
Jun 25, 2008	Jul 24, 2008	0.984639
Jul 25, 2008	Aug 22, 2008	0.983307
Aug 25, 2008	Sep 24, 2008	0.982046
Sep 25, 2008	Oct 24, 2008	0.980764
Oct 27, 2008	Nov 24, 2008	0.979478
Nov 25, 2008	Dec 24, 2008	0.978181
Dec 26, 2008	Jan 23, 2009	0.976865
Jan 26, 2009	Feb 24, 2009	0.975539
Feb 25, 2009	Mar 24, 2009	0.974207
Mar 25, 2009	Apr 24, 2009	0.972863
Apr 27, 2009	May 22, 2009	0.971510
May 26, 2009	Jun 24, 2009	0.970133
Jun 25, 2009	Jul 24, 2009	0.968751
Jul 27, 2009	Aug 24, 2009	0.967354
Aug 25, 2009	Sep 24, 2009	0.965904
Sep 25, 2009	Oct 23, 2009	0.964439
Oct 26, 2009	Nov 24, 2009	0.962944
Nov 25, 2009	Dec 24, 2009	0.961423
Dec 28, 2009	Jan 22, 2010	0.959846
Jan 25, 2010	Feb 24, 2010	0.958242
Feb 25, 2010	Mar 24, 2010	0.956603
Mar 25, 2010	Apr 23, 2010	0.954939
Apr 26, 2010	May 24, 2010	0.953246
May 25, 2010	Jun 24, 2010	0.951539
Jun 25, 2010	Jul 23, 2010	0.949801
Jul 26, 2010	Aug 24, 2010	0.948054
Aug 25, 2010	Sep 24, 2010	0.946225
Sep 27, 2010	Oct 22, 2010	0.944281
Oct 25, 2010	Nov 24, 2010	0.938480
Nov 26, 2010	Dec 23, 2010	0.891867
Dec 27, 2010	Jan 24, 2011	0.837203
Jan 25, 2011	Feb 24, 2011	0.773910
Feb 25, 2011	Mar 24, 2011	0.641555
Mar 25, 2011	Apr 22, 2011	0.593502
Apr 25, 2011	May 24, 2011	0.497656
May 25, 2011	Jun 24, 2011	0.440588
Jun 27, 2011	Jul 22, 2011	0.368002
Jul 25, 2011	Aug 24, 2011	0.278442

B1 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.246271
Sep 26, 2011	Oct 24, 2011	0.132453
Oct 25, 2011	Nov 23, 2011	0.055443
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

B2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.998875
Jul 25, 2007	Aug 24, 2007	0.997740
Aug 27, 2007	Sep 24, 2007	0.996596
Sep 25, 2007	Oct 24, 2007	0.995441
Oct 25, 2007	Nov 23, 2007	0.994277
Nov 26, 2007	Dec 24, 2007	0.993104
Dec 26, 2007	Jan 24, 2008	0.991925
Jan 25, 2008	Feb 22, 2008	0.990736
Feb 25, 2008	Mar 24, 2008	0.989536
Mar 25, 2008	Apr 24, 2008	0.988325
Apr 25, 2008	May 23, 2008	0.987105
May 27, 2008	Jun 24, 2008	0.985877
Jun 25, 2008	Jul 24, 2008	0.984639
Jul 25, 2008	Aug 22, 2008	0.983307
Aug 25, 2008	Sep 24, 2008	0.982046
Sep 25, 2008	Oct 24, 2008	0.980764
Oct 27, 2008	Nov 24, 2008	0.979478
Nov 25, 2008	Dec 24, 2008	0.978181
Dec 26, 2008	Jan 23, 2009	0.976865
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	0.975539 0.974207
Mar 25, 2009	Apr 24, 2009	
Apr 27, 2009	May 22, 2009	0.972863
May 26, 2009	Jun 24, 2009	0.971510
Jun 25, 2009	Jul 24, 2009	0.970132
Jul 27, 2009	Aug 24, 2009	0.968751
Aug 25, 2009	Sep 24, 2009	0.967354 0.965904
Sep 25, 2009	Oct 23, 2009	0.964439
Oct 26, 2009	Nov 24, 2009	0.962944
Nov 25, 2009	Dec 24, 2009	0.961423
Dec 28, 2009	Jan 22, 2010	0.959846
Jan 25, 2010	Feb 24, 2010	0.958242
Feb 25, 2010	Mar 24, 2010	0.956603
Mar 25, 2010	Apr 23, 2010	0.925253
Apr 26, 2010	May 24, 2010	0.842031
May 25, 2010	Jun 24, 2010	0.740069
Jun 25, 2010	Jul 23, 2010	0.693067
Jul 26, 2010	Aug 24, 2010	0.525360
Aug 25, 2010	Sep 24, 2010	0.294312
Sep 27, 2010	Oct 22, 2010	0.074137
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000

B2 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

B3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.998875
Jul 25, 2007	Aug 24, 2007	0.997740
Aug 27, 2007	Sep 24, 2007	0.996596
Sep 25, 2007	Oct 24, 2007	0.995441
Oct 25, 2007	Nov 23, 2007	0.994277
Nov 26, 2007	Dec 24, 2007	0.993104
Dec 26, 2007	Jan 24, 2008	0.991925
Jan 25, 2008	Feb 22, 2008	0.990736
Feb 25, 2008	Mar 24, 2008	0.989536
Mar 25, 2008	Apr 24, 2008	0.988325
Apr 25, 2008	May 23, 2008	0.987105
May 27, 2008	Jun 24, 2008	0.985877
Jun 25, 2008	Jul 24, 2008	0.984639
Jul 25, 2008	Aug 22, 2008	0.983307
Aug 25, 2008	Sep 24, 2008	0.982046
Sep 25, 2008	Oct 24, 2008	0.980764
Oct 27, 2008	Nov 24, 2008	0.979478
Nov 25, 2008	Dec 24, 2008	0.978181
Dec 26, 2008	Jan 23, 2009	0.976865
Jan 26, 2009	Feb 24, 2009	0.975539
Feb 25, 2009	Mar 24, 2009	0.974207
Mar 25, 2009	Apr 24, 2009	0.972863
Apr 27, 2009	May 22, 2009	0.971510
May 26, 2009	Jun 24, 2009	0.970132
Jun 25, 2009	Jul 24, 2009	0.968751
Jul 27, 2009	Aug 24, 2009	0.967354
Aug 25, 2009	Sep 24, 2009	0.965904
Sep 25, 2009	Oct 23, 2009	0.964439
Oct 26, 2009	Nov 24, 2009	0.962944
Nov 25, 2009	Dec 24, 2009	0.755149
Dec 28, 2009	Jan 22, 2010	0.447357
Jan 25, 2010	Feb 24, 2010	0.264243
Feb 25, 2010	Mar 24, 2010	0.160196
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000

B3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A1 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.998463
Sep 25, 2007	Oct 24, 2007	0.993249
Oct 25, 2007	Nov 23, 2007	0.992428
Nov 26, 2007	Dec 24, 2007	0.989959
Dec 26, 2007	Jan 24, 2008	0.989129
Jan 25, 2008	Feb 22, 2008	0.988019
Feb 25, 2008	Mar 24, 2008	0.986938
Mar 25, 2008	Apr 24, 2008	0.983609
Apr 25, 2008	May 23, 2008	0.982587
May 27, 2008	Jun 24, 2008	0.978985
Jun 25, 2008	Jul 24, 2008	0.977647
Jul 25, 2008	Aug 22, 2008	0.975347
Aug 25, 2008	Sep 24, 2008	0.973932
Sep 25, 2008	Oct 24, 2008	
Oct 27, 2008	Nov 24, 2008	0.972320
Nov 25, 2008	Dec 24, 2008	0.971128
Dec 26, 2008	Jan 23, 2009	0.965283 0.964253
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	0.958325
Mar 25, 2009	Apr 24, 2009	0.957017
Apr 27, 2009	May 22, 2009	0.947459
May 26, 2009	Jun 24, 2009	0.935153
Jun 25, 2009	Jul 24, 2009	0.920194
Jul 27, 2009	Aug 24, 2009	0.904124
Aug 25, 2009	Sep 24, 2009	0.898599
Sep 25, 2009	Oct 23, 2009	0.885964
Oct 26, 2009	Nov 24, 2009	0.881211 0.877476
Nov 25, 2009	Dec 24, 2009	0.860762
Dec 28, 2009	Jan 22, 2010	0.856349
Jan 25, 2010	Feb 24, 2010	0.847725
Feb 25, 2010	Mar 24, 2010	0.844809
Mar 25, 2010	Apr 23, 2010	0.837202
Apr 26, 2010	May 24, 2010	0.829545
May 25, 2010	Jun 24, 2010	0.814638
Jun 25, 2010	Jul 23, 2010	0.810657
Jul 26, 2010	Aug 24, 2010	0.804107
Aug 25, 2010	Sep 24, 2010	0.793006
Sep 27, 2010	Oct 22, 2010	0.784178
Oct 25, 2010	Nov 24, 2010	0.768435
Nov 26, 2010	Dec 23, 2010	0.749088
Dec 27, 2010	Jan 24, 2011	0.732099
Jan 25, 2011	Feb 24, 2011	0.722939
Feb 25, 2011	Mar 24, 2011	0.707981
Mar 25, 2011	Apr 22, 2011	0.702158
Apr 25, 2011	May 24, 2011	0.691905
May 25, 2011	Jun 24, 2011	0.678487
Jun 27, 2011	Jul 22, 2011	0.674971
Jul 25, 2011	Aug 24, 2011	0.673236
Aug 25, 2011	Sep 23, 2011	0.661199

1A1 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.653007
Oct 25, 2011	Nov 23, 2011	0.634851
Nov 25, 2011	Dec 23, 2011	0.617914
Dec 27, 2011	Jan 24, 2012	0.596217
Jan 25, 2012	Feb 24, 2012	0.587391
Feb 27, 2012	Mar 23, 2012	0.582306
Mar 26, 2012	Apr 24, 2012	0.581967
Apr 25, 2012	May 24, 2012	0.576920
May 25, 2012	Jun 22, 2012	0.576059
Jun 25, 2012	Jul 24, 2012	0.574182
Jul 25, 2012	Aug 24, 2012	0.570054
Aug 27, 2012	Sep 24, 2012	0.560950
Sep 25, 2012	Oct 24, 2012	0.558934
Oct 25, 2012	Nov 23, 2012	0.544813
Nov 26, 2012	Dec 24, 2012	0.539314
Dec 26, 2012	Jan 24, 2013	0.532203
Jan 25, 2013	Feb 22, 2013	0.529384
Feb 25, 2013	Mar 22, 2013	0.512038
Mar 25, 2013	Apr 24, 2013	0.505621
Apr 25, 2013	May 24, 2013	0.489923
May 28, 2013	Jun 24, 2013	0.483136
Jun 25, 2013	Jul 24, 2013	0.479582
Jul 25, 2013	Aug 23, 2013	0.469121
Aug 26, 2013	Sep 24, 2013	0.446855
Sep 25, 2013	Oct 24, 2013	0.422982
Oct 25, 2013	Nov 22, 2013	0.412358
Nov 25, 2013	Dec 24, 2013	0.407237
Dec 26, 2013	Jan 24, 2014	0.399686
Jan 27, 2014	Feb 24, 2014	0.395769
Feb 25, 2014	Mar 24, 2014	0.387382
Mar 25, 2014	Apr 24, 2014	0.377206
Apr 25, 2014	May 23, 2014	0.373497
May 27, 2014	Jun 24, 2014	0.370962
Jun 25, 2014	Jul 24, 2014	0.369278
Jul 25, 2014	Aug 22, 2014	0.359292
Aug 25, 2014	Sep 24, 2014	0.351738
Sep 25, 2014	Oct 24, 2014	0.342939
Oct 27, 2014	Nov 24, 2014	0.335149
Nov 25, 2014	Dec 24, 2014	0.330496
Dec 26, 2014	Jan 23, 2015	0.314153
Jan 26, 2015	Feb 24, 2015	0.313703
Feb 25, 2015	Mar 24, 2015	0.310593
Mar 25, 2015	Apr 24, 2015	0.308920
Apr 27, 2015	May 22, 2015	0.306550
May 26, 2015	Jun 24, 2015	0.301854
Jun 25, 2015		0.298922

1A2 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.998463
Sep 25, 2007	Oct 24, 2007	0.993249
Oct 25, 2007	Nov 23, 2007	0.992428
Nov 26, 2007	Dec 24, 2007	0.989959
Dec 26, 2007	Jan 24, 2008	0.989129
Jan 25, 2008	Feb 22, 2008	0.988019
Feb 25, 2008	Mar 24, 2008	0.986938
Mar 25, 2008	Apr 24, 2008	0.983609
Apr 25, 2008	May 23, 2008	0.982587
May 27, 2008	Jun 24, 2008	0.978985
Jun 25, 2008	Jul 24, 2008	0.977647
Jul 25, 2008	Aug 22, 2008	0.975347
Aug 25, 2008	Sep 24, 2008	0.973932
Sep 25, 2008	Oct 24, 2008	
Oct 27, 2008	Nov 24, 2008	0.972320
Nov 25, 2008	Dec 24, 2008	0.971128
Dec 26, 2008	Jan 23, 2009	0.965283 0.964253
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	0.958325
Mar 25, 2009	Apr 24, 2009	0.957017
Apr 27, 2009	May 22, 2009	0.947459
May 26, 2009	Jun 24, 2009	0.935153
Jun 25, 2009	Jul 24, 2009	0.920194
Jul 27, 2009	Aug 24, 2009	0.904124
Aug 25, 2009	Sep 24, 2009	0.898599
Sep 25, 2009	Oct 23, 2009	0.885964
Oct 26, 2009	Nov 24, 2009	0.881211 0.877476
Nov 25, 2009	Dec 24, 2009	0.860762
Dec 28, 2009	Jan 22, 2010	0.856349
Jan 25, 2010	Feb 24, 2010	0.847725
Feb 25, 2010	Mar 24, 2010	0.844809
Mar 25, 2010	Apr 23, 2010	0.837202
Apr 26, 2010	May 24, 2010	0.829545
May 25, 2010	Jun 24, 2010	0.814638
Jun 25, 2010	Jul 23, 2010	0.810657
Jul 26, 2010	Aug 24, 2010	0.804107
Aug 25, 2010	Sep 24, 2010	0.793006
Sep 27, 2010	Oct 22, 2010	0.784178
Oct 25, 2010	Nov 24, 2010	0.768435
Nov 26, 2010	Dec 23, 2010	0.749088
Dec 27, 2010	Jan 24, 2011	0.732099
Jan 25, 2011	Feb 24, 2011	0.722939
Feb 25, 2011	Mar 24, 2011	0.707981
Mar 25, 2011	Apr 22, 2011	0.702158
Apr 25, 2011	May 24, 2011	0.691905
May 25, 2011	Jun 24, 2011	0.678487
Jun 27, 2011	Jul 22, 2011	0.674971
Jul 25, 2011	Aug 24, 2011	0.673236
Aug 25, 2011	Sep 23, 2011	0.661199

1A2 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.653007
Oct 25, 2011	Nov 23, 2011	0.634851
Nov 25, 2011	Dec 23, 2011	0.617914
Dec 27, 2011	Jan 24, 2012	0.596217
Jan 25, 2012	Feb 24, 2012	0.587391
Feb 27, 2012	Mar 23, 2012	0.548347
Mar 26, 2012	Apr 24, 2012	0.546298
Apr 25, 2012	May 24, 2012	0.461231
May 25, 2012	Jun 22, 2012	0.460543
Jun 25, 2012	Jul 24, 2012	0.435313
Jul 25, 2012	Aug 24, 2012	0.432183
Aug 27, 2012	Sep 24, 2012	0.404547
Sep 25, 2012	Oct 24, 2012	0.378400
Oct 25, 2012	Nov 23, 2012	0.351373
Nov 26, 2012	Dec 24, 2012	0.330746
Dec 26, 2012	Jan 24, 2013	0.292223
Jan 25, 2013	Feb 22, 2013	0.224429
Feb 25, 2013	Mar 22, 2013	0.159935
Mar 25, 2013	Apr 24, 2013	0.096006
Apr 25, 2013	May 24, 2013	0.080989
May 28, 2013	Jun 24, 2013	0.065709
Jun 25, 2013	Jul 24, 2013	0.021569
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A3 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.998463
Sep 25, 2007	Oct 24, 2007	0.993249
Oct 25, 2007	Nov 23, 2007	0.992428
Nov 26, 2007	Dec 24, 2007	0.989959
Dec 26, 2007	Jan 24, 2008	0.989129
Jan 25, 2008	Feb 22, 2008	0.988019
Feb 25, 2008	Mar 24, 2008	0.986938
Mar 25, 2008	Apr 24, 2008	0.983609
Apr 25, 2008	May 23, 2008	0.982587
May 27, 2008	Jun 24, 2008	0.978985
Jun 25, 2008	Jul 24, 2008	0.977647
Jul 25, 2008	Aug 22, 2008	0.975347
Aug 25, 2008	Sep 24, 2008	0.973932
Sep 25, 2008	Oct 24, 2008	0.972320
Oct 27, 2008	Nov 24, 2008	0.971128
Nov 25, 2008	Dec 24, 2008	0.965283
Dec 26, 2008	Jan 23, 2009	0.964253
Jan 26, 2009	Feb 24, 2009	0.958325
Feb 25, 2009	Mar 24, 2009	0.957017
Mar 25, 2009	Apr 24, 2009	0.947459
Apr 27, 2009	May 22, 2009	0.935153
May 26, 2009	Jun 24, 2009	0.920194
Jun 25, 2009	Jul 24, 2009	0.904124
Jul 27, 2009	Aug 24, 2009	0.898599
Aug 25, 2009	Sep 24, 2009	0.885964
Sep 25, 2009	Oct 23, 2009	0.881211
Oct 26, 2009	Nov 24, 2009	0.877476
Nov 25, 2009	Dec 24, 2009	0.860762
Dec 28, 2009	Jan 22, 2010	0.856349
Jan 25, 2010	Feb 24, 2010	0.847725
Feb 25, 2010	Mar 24, 2010	0.844809
Mar 25, 2010	Apr 23, 2010	0.837202
Apr 26, 2010	May 24, 2010	0.829545
May 25, 2010	Jun 24, 2010	0.814638
Jun 25, 2010	Jul 23, 2010	0.810657
Jul 26, 2010	Aug 24, 2010	0.804107
Aug 25, 2010	Sep 24, 2010	0.793006
Sep 27, 2010	Oct 22, 2010	0.784178
Oct 25, 2010	Nov 24, 2010	0.768435
Nov 26, 2010	Dec 23, 2010	0.749088
Dec 27, 2010	Jan 24, 2011	0.732099
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.722939
Mar 25, 2011	Mar 24, 2011	0.707981
Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.702158
May 25, 2011	Jun 24, 2011	0.691905
Jun 27, 2011	Jul 22, 2011	0.678487
Jul 25, 2011	Aug 24, 2011	0.674971
Aug 25, 2011	Sep 23, 2011	0.673236
, IUE 23, 2011	JCP 23, 2011	0.661199

1A3 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.653007
Oct 25, 2011	Nov 23, 2011	0.634851
Nov 25, 2011	Dec 23, 2011	0.617914
Dec 27, 2011	Jan 24, 2012	0.596217
Jan 25, 2012	Feb 24, 2012	0.587391
Feb 27, 2012	Mar 23, 2012	0.581032
Mar 26, 2012	Apr 24, 2012	0.580629
Apr 25, 2012	May 24, 2012	0.572581
May 25, 2012	Jun 22, 2012	0.571727
Jun 25, 2012	Jul 24, 2012	0.568974
Jul 25, 2012	Aug 24, 2012	0.564883
Aug 27, 2012	Sep 24, 2012	0.555085
Sep 25, 2012	Oct 24, 2012	0.552164
Oct 25, 2012	Nov 23, 2012	0.537559
Nov 26, 2012	Dec 24, 2012	0.531493
Dec 26, 2012	Jan 24, 2013	0.523204
Jan 25, 2013	Feb 22, 2013	0.517948
Feb 25, 2013	Mar 22, 2013	0.498834
Mar 25, 2013	Apr 24, 2013	0.490260
Apr 25, 2013	May 24, 2013	0.474588
May 28, 2013	Jun 24, 2013	0.467482
Jun 25, 2013	Jul 24, 2013	0.462406
Jul 25, 2013	Aug 23, 2013	0.451528
Aug 26, 2013	Sep 24, 2013	0.430098
Sep 25, 2013	Oct 24, 2013	0.407120
Oct 25, 2013	Nov 22, 2013	0.396894
Nov 25, 2013	Dec 24, 2013	0.391965
Dec 26, 2013	Jan 24, 2014	0.384698
Jan 27, 2014	Feb 24, 2014	0.380927
Feb 25, 2014	Mar 24, 2014	0.372855
Mar 25, 2014	Apr 24, 2014	0.363061
Apr 25, 2014	May 23, 2014	0.359490
May 27, 2014	Jun 24, 2014	0.357050
Jun 25, 2014	Jul 24, 2014	0.355430
Jul 25, 2014	Aug 22, 2014	0.345818
Aug 25, 2014	Sep 24, 2014	0.338548
Sep 25, 2014	Oct 24, 2014	0.330079
Oct 27, 2014	Nov 24, 2014	0.322581
Nov 25, 2014	Dec 24, 2014	0.318103
Dec 26, 2014	Jan 23, 2015	0.302372
Jan 26, 2015	Feb 24, 2015	0.301939
Feb 25, 2015	Mar 24, 2015	0.298945
Mar 25, 2015	Apr 24, 2015	0.297335
Apr 27, 2015	May 22, 2015	0.295054
May 26, 2015	Jun 24, 2015	0.290534
Jun 25, 2015		0.287712

1A4 Certificate Factor Chart

From	То	Factor
<u>FIOIII</u>	Aug 24, 2007	<u>Factor</u> 1.000000
Aug 27, 2007	Sep 24, 2007	0.997468
Sep 25, 2007	Oct 24, 2007	0.994539
Oct 25, 2007	Nov 23, 2007	0.991212
Nov 26, 2007	Dec 24, 2007	0.987489
Dec 26, 2007	Jan 24, 2008	0.983371
Jan 25, 2008	Feb 22, 2008	0.978859
Feb 25, 2008	Mar 24, 2008	0.973955
Mar 25, 2008	Apr 24, 2008	0.968660
Apr 25, 2008	May 23, 2008	0.962977
May 27, 2008	Jun 24, 2008	0.956907
Jun 25, 2008	Jul 24, 2008	0.950452
Jul 25, 2008	Aug 22, 2008	0.943616
Aug 25, 2008	Sep 24, 2008	0.936401
Sep 25, 2008	Oct 24, 2008	0.928810
Oct 27, 2008	Nov 24, 2008	0.924653
Nov 25, 2008	Dec 24, 2008	0.912513
Dec 26, 2008	Jan 23, 2009	0.904726
Jan 26, 2009	Feb 24, 2009	0.894751
Feb 25, 2009	Mar 24, 2009	0.885330
Mar 25, 2009	Apr 24, 2009	0.875555
Apr 27, 2009	May 22, 2009	0.865430
May 26, 2009	Jun 24, 2009	0.854959
Jun 25, 2009	Jul 24, 2009	0.844148
Jul 27, 2009	Aug 24, 2009	0.833005
Aug 25, 2009	Sep 24, 2009	0.821538
Sep 25, 2009	Oct 23, 2009	0.809767
Oct 26, 2009	Nov 24, 2009	0.797712
Nov 25, 2009	Dec 24, 2009	0.785429
Dec 28, 2009	Jan 22, 2010	0.773004
Jan 25, 2010	Feb 24, 2010	0.760593
Feb 25, 2010	Mar 24, 2010	0.748247
Mar 25, 2010	Apr 23, 2010	0.735965
Apr 26, 2010	May 24, 2010	0.723746
May 25, 2010	Jun 24, 2010	0.711591
Jun 25, 2010	Jul 23, 2010	0.699499
Jul 26, 2010	Aug 24, 2010	0.687469
Aug 25, 2010	Sep 24, 2010	0.675502
Sep 27, 2010	Oct 22, 2010	0.663597
Oct 25, 2010	Nov 24, 2010	0.651754
Nov 26, 2010	Dec 23, 2010	0.639972
Dec 27, 2010	Jan 24, 2011	0.628251
Jan 25, 2011	Feb 24, 2011	0.616592
Feb 25, 2011	Mar 24, 2011	0.604992
Mar 25, 2011	Apr 22, 2011	0.593453
Apr 25, 2011	May 24, 2011	0.581974
May 25, 2011	Jun 24, 2011	0.570554
Jun 27, 2011	Jul 22, 2011	0.559194
Jul 25, 2011	Aug 24, 2011	0.547893
Aug 25, 2011	Sep 23, 2011	0.536650

1A4 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.525466
Oct 25, 2011	Nov 23, 2011	0.514340
Nov 25, 2011	Dec 23, 2011	0.503272
Dec 27, 2011	Jan 24, 2012	0.492261
Jan 25, 2012	Feb 24, 2012	0.482945
Feb 27, 2012	Mar 23, 2012	0.475092
Mar 26, 2012	Apr 24, 2012	0.471274
Apr 25, 2012	May 24, 2012	0.462986
May 25, 2012	Jun 22, 2012	0.452234
Jun 25, 2012	Jul 24, 2012	0.446112
Jul 25, 2012	Aug 24, 2012	0.437459
Aug 27, 2012	Sep 24, 2012	0.429285
Sep 25, 2012	Oct 24, 2012	0.421169
Oct 25, 2012	Nov 23, 2012	0.410251
Nov 26, 2012	Dec 24, 2012	0.404847
Dec 26, 2012	Jan 24, 2013	0.398680
Jan 25, 2013	Feb 22, 2013	0.390615
Feb 25, 2013	Mar 22, 2013	0.386458
Mar 25, 2013	Apr 24, 2013	0.381108
Apr 25, 2013	May 24, 2013	0.374548
May 28, 2013	Jun 24, 2013	0.364205
Jun 25, 2013	Jul 24, 2013	0.357529
Jul 25, 2013	Aug 23, 2013	0.347647
Aug 26, 2013	Sep 24, 2013	0.336174
Sep 25, 2013	Oct 24, 2013	0.327855
Oct 25, 2013	Nov 22, 2013	0.322763
Nov 25, 2013	Dec 24, 2013	0.317535
Dec 26, 2013	Jan 24, 2014	0.311569
Jan 27, 2014	Feb 24, 2014	0.306780
Feb 25, 2014	Mar 24, 2014	0.301908
Mar 25, 2014	Apr 24, 2014	0.298471
Apr 25, 2014	May 23, 2014	0.292409
May 27, 2014	Jun 24, 2014	0.286158
Jun 25, 2014	Jul 24, 2014	0.281312
Jul 25, 2014	Aug 22, 2014	0.275850
Aug 25, 2014	Sep 24, 2014	0.271807
Sep 25, 2014	Oct 24, 2014	0.266398
Oct 27, 2014	Nov 24, 2014	0.264049
Nov 25, 2014	Dec 24, 2014	0.258246
Dec 26, 2014	Jan 23, 2015	0.253458
Jan 26, 2015	Feb 24, 2015	0.248686
Feb 25, 2015	Mar 24, 2015	0.244110
Mar 25, 2015	Apr 24, 2015	0.242439
Apr 27, 2015	May 22, 2015	0.238453
May 26, 2015	Jun 24, 2015	0.233844
Jun 25, 2015		0.231365

1A5 Certificate Factor Chart

From	То	Factor
<u></u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995494
Sep 25, 2007	Oct 24, 2007	0.989372
Oct 25, 2007	Nov 23, 2007	0.981909
Nov 26, 2007	Dec 24, 2007	0.981216
Dec 26, 2007	Jan 24, 2008	0.972711
Jan 25, 2008	Feb 22, 2008	0.961241
Feb 25, 2008	Mar 24, 2008	0.948700
Mar 25, 2008	Apr 24, 2008	0.939377
Apr 25, 2008	May 23, 2008	0.923235
May 27, 2008	Jun 24, 2008	0.905994
Jun 25, 2008	Jul 24, 2008	0.891337
Jul 25, 2008	Aug 22, 2008	0.871297
Aug 25, 2008	Sep 24, 2008	0.865476
Sep 25, 2008	Oct 24, 2008	0.859299
Oct 27, 2008	Nov 24, 2008	0.859298
Nov 25, 2008	Dec 24, 2008	0.850006
Dec 26, 2008	Jan 23, 2009	0.850005
Jan 26, 2009	Feb 24, 2009	0.846013
Feb 25, 2009	Mar 24, 2009	0.829756
Mar 25, 2009	Apr 24, 2009	0.792789
Apr 27, 2009	May 22, 2009	0.769085
May 26, 2009	Jun 24, 2009	0.722257
Jun 25, 2009	Jul 24, 2009	0.681726
Jul 27, 2009	Aug 24, 2009	0.648332
Aug 25, 2009	Sep 24, 2009	0.608272
Sep 25, 2009	Oct 23, 2009	0.602355
Oct 26, 2009	Nov 24, 2009	0.585256
Nov 25, 2009	Dec 24, 2009	0.576886
Dec 28, 2009	Jan 22, 2010	0.561763
Jan 25, 2010	Feb 24, 2010	0.539537
Feb 25, 2010	Mar 24, 2010	0.505872
Mar 25, 2010	Apr 23, 2010	0.502969
Apr 26, 2010	May 24, 2010	0.487233
May 25, 2010	Jun 24, 2010	0.477988
Jun 25, 2010	Jul 23, 2010	0.472434
Jul 26, 2010	Aug 24, 2010	0.448736
Aug 25, 2010	Sep 24, 2010	0.414369
Sep 27, 2010	Oct 22, 2010	0.386688
Oct 25, 2010	Nov 24, 2010	0.348093
Nov 26, 2010	Dec 23, 2010	0.307778
Dec 27, 2010	Jan 24, 2011	0.268902
Jan 25, 2011	Feb 24, 2011	0.224924
Feb 25, 2011	Mar 24, 2011	0.200112
Mar 25, 2011	Apr 22, 2011	0.184869
Apr 25, 2011	May 24, 2011	0.158412
May 25, 2011	Jun 24, 2011	0.154215
Jun 27, 2011	Jul 22, 2011	0.141384
Jul 25, 2011	Aug 24, 2011 Sep 23, 2011	0.127852
Aug 25, 2011	3ep 23, 2011	0.116490

1A5 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.091794
Oct 25, 2011	Nov 23, 2011	0.078582
Nov 25, 2011	Dec 23, 2011	0.072674
Dec 27, 2011	Jan 24, 2012	0.065214
Jan 25, 2012	Feb 24, 2012	0.063980
Feb 27, 2012	Mar 23, 2012	0.062940
Mar 26, 2012	Apr 24, 2012	0.062434
Apr 25, 2012	May 24, 2012	0.061336
May 25, 2012	Jun 22, 2012	0.059912
Jun 25, 2012	Jul 24, 2012	0.059101
Jul 25, 2012	Aug 24, 2012	0.057954
Aug 27, 2012	Sep 24, 2012	0.056871
Sep 25, 2012	Oct 24, 2012	0.055796
Oct 25, 2012	Nov 23, 2012	0.054350
Nov 26, 2012	Dec 24, 2012	0.053634
Dec 26, 2012	Jan 24, 2013	0.052817
Jan 25, 2013	Feb 22, 2013	0.051748
Feb 25, 2013	Mar 22, 2013	0.051198
Mar 25, 2013	Apr 24, 2013	0.050489
Apr 25, 2013	May 24, 2013	0.049620
May 28, 2013	Jun 24, 2013	0.048250
Jun 25, 2013	Jul 24, 2013	0.047365
Jul 25, 2013	Aug 23, 2013	0.046056
Aug 26, 2013	Sep 24, 2013	0.044536
Sep 25, 2013	Oct 24, 2013	0.043434
Oct 25, 2013	Nov 22, 2013	0.042759
Nov 25, 2013	Dec 24, 2013	0.042067
Dec 26, 2013	Jan 24, 2014	0.041277
Jan 27, 2014	Feb 24, 2014	0.040642
Feb 25, 2014	Mar 24, 2014	0.039997
Mar 25, 2014	Apr 24, 2014	0.039541
Apr 25, 2014	May 23, 2014	0.038738
May 27, 2014	Jun 24, 2014	0.037910
Jun 25, 2014	Jul 24, 2014	0.037268
Jul 25, 2014	Aug 22, 2014	0.036544
Aug 25, 2014	Sep 24, 2014	0.036009
Sep 25, 2014	Oct 24, 2014	0.035292
Oct 27, 2014	Nov 24, 2014	0.034981
Nov 25, 2014	Dec 24, 2014	0.034212
Dec 26, 2014	Jan 23, 2015	0.033578
Jan 26, 2015	Feb 24, 2015	0.032946
Feb 25, 2015	Mar 24, 2015	0.032340
Mar 25, 2015	Apr 24, 2015	0.032118
Apr 27, 2015	May 22, 2015	0.031590
May 26, 2015	Jun 24, 2015	0.030979
Jun 25, 2015		0.030651
Oct 27, 2014 Nov 25, 2014 Dec 26, 2014 Jan 26, 2015 Feb 25, 2015 Mar 25, 2015 Apr 27, 2015 May 26, 2015	Nov 24, 2014 Dec 24, 2014 Jan 23, 2015 Feb 24, 2015 Mar 24, 2015 Apr 24, 2015 May 22, 2015	0.034981 0.034212 0.033578 0.032946 0.032340 0.032118 0.031590 0.030979

1A6 Certificate Factor Chart

From	То	<u>Factor</u>
<u>110111</u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.005000
Sep 25, 2007	Oct 24, 2007	1.010025
Oct 25, 2007	Nov 23, 2007	1.015075
Nov 26, 2007	Dec 24, 2007	1.020151
Dec 26, 2007	Jan 24, 2008	1.025251
Jan 25, 2008	Feb 22, 2008	1.030378
Feb 25, 2008	Mar 24, 2008	1.035529
Mar 25, 2008	Apr 24, 2008	1.040707
Apr 25, 2008	May 23, 2008	1.045911
May 27, 2008	Jun 24, 2008	1.051140
Jun 25, 2008	Jul 24, 2008	1.056396
Jul 25, 2008	Aug 22, 2008	1.061678
Aug 25, 2008	Sep 24, 2008	1.066986
Sep 25, 2008	Oct 24, 2008	1.072321
Oct 27, 2008	Nov 24, 2008	1.077683
Nov 25, 2008	Dec 24, 2008	1.083071
Dec 26, 2008	Jan 23, 2009	1.088487
Jan 26, 2009	Feb 24, 2009	1.093929
Feb 25, 2009	Mar 24, 2009	1.099399
Mar 25, 2009	Apr 24, 2009	1.104896
Apr 27, 2009	May 22, 2009	1.110420
May 26, 2009	Jun 24, 2009	1.115972
Jun 25, 2009	Jul 24, 2009	1.121552
Jul 27, 2009	Aug 24, 2009	1.127160
Aug 25, 2009	Sep 24, 2009	1.132796
Sep 25, 2009	Oct 23, 2009	1.138460
Oct 26, 2009	Nov 24, 2009	1.144152
Nov 25, 2009	Dec 24, 2009	1.149873
Dec 28, 2009	Jan 22, 2010	1.155620
Jan 25, 2010	Feb 24, 2010	1.161400
Feb 25, 2010	Mar 24, 2010	1.167207
Mar 25, 2010	Apr 23, 2010	1.173040
Apr 26, 2010	May 24, 2010	1.178905
May 25, 2010	Jun 24, 2010	1.184800
Jun 25, 2010	Jul 23, 2010	1.190720
Jul 26, 2010	Aug 24, 2010	1.196670
Aug 25, 2010	Sep 24, 2010	1.202660
Sep 27, 2010	Oct 22, 2010	1.208670
Oct 25, 2010 Nov 26, 2010	Nov 24, 2010	1.214710
Dec 27, 2010	Dec 23, 2010 Jan 24, 2011	1.220790
Jan 25, 2011	Feb 24, 2011	1.226890
Feb 25, 2011	Mar 24, 2011	1.233020
Mar 25, 2011	Apr 22, 2011	1.239190
Apr 25, 2011	May 24, 2011	1.245380
May 25, 2011	Jun 24, 2011	1.251610 1.257870
Jun 27, 2011	Jul 22, 2011	1.264160
Jul 25, 2011	Aug 24, 2011	1.270480
Aug 25, 2011	Sep 23, 2011	1.276830

1A6 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.283210
Oct 25, 2011	Nov 23, 2011	1.289630
Nov 25, 2011	Dec 23, 2011	1.296080
Dec 27, 2011	Jan 24, 2012	1.302560
Jan 25, 2012	Feb 24, 2012	1.277910
Feb 27, 2012	Mar 23, 2012	1.257120
Mar 26, 2012	Apr 24, 2012	1.247020
Apr 25, 2012	May 24, 2012	1.225090
May 25, 2012	Jun 22, 2012	1.196640
Jun 25, 2012	Jul 24, 2012	1.180440
Jul 25, 2012	Aug 24, 2012	1.157550
Aug 27, 2012	Sep 24, 2012	1.135920
Sep 25, 2012	Oct 24, 2012	1.114440
Oct 25, 2012	Nov 23, 2012	1.085550
Nov 26, 2012	Dec 24, 2012	1.071250
Dec 26, 2012	Jan 24, 2013	1.054930
Jan 25, 2013	Feb 22, 2013	1.033590
Feb 25, 2013	Mar 22, 2013	1.022590
Mar 25, 2013	Apr 24, 2013	1.008440
Apr 25, 2013	May 24, 2013	0.991080
May 28, 2013	Jun 24, 2013	0.963710
Jun 25, 2013	Jul 24, 2013	0.946050
Jul 25, 2013	Aug 23, 2013	0.919900
Aug 26, 2013	Sep 24, 2013	0.889540
Sep 25, 2013	Oct 24, 2013	0.867520
Oct 25, 2013	Nov 22, 2013	0.854050
Nov 25, 2013	Dec 24, 2013	0.840220
Dec 26, 2013	Jan 24, 2014	0.824430
Jan 27, 2014	Feb 24, 2014	0.811760
Feb 25, 2014	Mar 24, 2014	0.798870
Mar 25, 2014	Apr 24, 2014	0.789770
Apr 25, 2014	May 23, 2014	0.773730
May 27, 2014	Jun 24, 2014	0.757190
Jun 25, 2014	Jul 24, 2014	0.744370
Jul 25, 2014	Aug 22, 2014	0.729910
Aug 25, 2014	Sep 24, 2014	0.719220
Sep 25, 2014	Oct 24, 2014	0.704910
Oct 27, 2014	Nov 24, 2014	0.698690
Nov 25, 2014	Dec 24, 2014	0.683330
Dec 26, 2014	Jan 23, 2015	0.670660
Jan 26, 2015	Feb 24, 2015	0.658040
Feb 25, 2015	Mar 24, 2015	0.645930
Mar 25, 2015	Apr 24, 2015	0.641510
Apr 27, 2015	May 22, 2015	0.630960
May 26, 2015	Jun 24, 2015	0.618760
Jun 25, 2015		0.612210

1A7 Certificate Factor Chart

From	То	<u>Factor</u>
<u> </u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.996515
Sep 25, 2007	Oct 24, 2007	0.975277
Oct 25, 2007	Nov 23, 2007	0.975277
Nov 26, 2007	Dec 24, 2007	0.975277
Dec 26, 2007	Jan 24, 2008	0.975277
Jan 25, 2008	Feb 22, 2008	0.975277
Feb 25, 2008	Mar 24, 2008	0.975277
Mar 25, 2008	Apr 24, 2008	0.975277
Apr 25, 2008	May 23, 2008	0.975277
May 27, 2008	Jun 24, 2008	0.975277
Jun 25, 2008	Jul 24, 2008	0.975277
Jul 25, 2008	Aug 22, 2008	0.975277
Aug 25, 2008	Sep 24, 2008	0.975277
Sep 25, 2008	Oct 24, 2008	0.975277
Oct 27, 2008	Nov 24, 2008	0.975277
Nov 25, 2008	Dec 24, 2008	0.975277
Dec 26, 2008	Jan 23, 2009	0.975277
Jan 26, 2009	Feb 24, 2009	0.975277
Feb 25, 2009	Mar 24, 2009	0.975277
Mar 25, 2009	Apr 24, 2009	0.975277
Apr 27, 2009	May 22, 2009	0.975277
May 26, 2009	Jun 24, 2009	0.975277
Jun 25, 2009	Jul 24, 2009	0.975277
Jul 27, 2009	Aug 24, 2009	0.975277
Aug 25, 2009	Sep 24, 2009	0.975277
Sep 25, 2009	Oct 23, 2009	0.975277
Oct 26, 2009	Nov 24, 2009	0.975277
Nov 25, 2009	Dec 24, 2009	0.975277
Dec 28, 2009	Jan 22, 2010	0.975277
Jan 25, 2010	Feb 24, 2010	0.975277
Feb 25, 2010	Mar 24, 2010	0.975277
Mar 25, 2010	Apr 23, 2010	0.975277
Apr 26, 2010	May 24, 2010	0.975277
May 25, 2010	Jun 24, 2010	0.975277
Jun 25, 2010	Jul 23, 2010	0.975277
Jul 26, 2010	Aug 24, 2010	0.975277
Aug 25, 2010	Sep 24, 2010	0.975277
Sep 27, 2010	Oct 22, 2010	0.975277
Oct 25, 2010	Nov 24, 2010	0.975277
Nov 26, 2010	Dec 23, 2010	0.975277
Dec 27, 2010	Jan 24, 2011	0.975277
Jan 25, 2011	Feb 24, 2011	0.975277
Feb 25, 2011	Mar 24, 2011	0.975277
Mar 25, 2011	Apr 22, 2011	0.975277
Apr 25, 2011	May 24, 2011	0.975277
May 25, 2011	Jun 24, 2011	0.975277
Jun 27, 2011	Jul 22, 2011	0.975277
Jul 25, 2011	Aug 24, 2011 Sep 23, 2011	0.975277
Aug 25, 2011	3ch 53, 5011	0.975277

1A7 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.975277
Oct 25, 2011	Nov 23, 2011	0.975277
Nov 25, 2011	Dec 23, 2011	0.975277
Dec 27, 2011	Jan 24, 2012	0.975277
Jan 25, 2012	Feb 24, 2012	0.956820
Feb 27, 2012	Mar 23, 2012	0.941261
Mar 26, 2012	Apr 24, 2012	0.933697
Apr 25, 2012	May 24, 2012	0.917278
May 25, 2012	Jun 22, 2012	0.895975
Jun 25, 2012	Jul 24, 2012	0.883846
Jul 25, 2012	Aug 24, 2012	0.866701
Aug 27, 2012	Sep 24, 2012	0.850508
Sep 25, 2012	Oct 24, 2012	0.834428
Oct 25, 2012	Nov 23, 2012	0.812797
Nov 26, 2012	Dec 24, 2012	0.802090
Dec 26, 2012	Jan 24, 2013	0.789873
Jan 25, 2013	Feb 22, 2013	0.773893
Feb 25, 2013	Mar 22, 2013	0.765658
Mar 25, 2013	Apr 24, 2013	0.755058
Apr 25, 2013	May 24, 2013	0.742062
May 28, 2013	Jun 24, 2013	0.721570
Jun 25, 2013	Jul 24, 2013	0.708344
Jul 25, 2013	Aug 23, 2013	0.688765
Aug 26, 2013	Sep 24, 2013	0.666035
Sep 25, 2013	Oct 24, 2013	0.649552
Oct 25, 2013	Nov 22, 2013	0.639463
Nov 25, 2013	Dec 24, 2013	0.629106
Dec 26, 2013	Jan 24, 2014	0.617287
Jan 27, 2014	Feb 24, 2014	0.607799
Feb 25, 2014	Mar 24, 2014	0.598146
Mar 25, 2014	Apr 24, 2014	0.591337
Apr 25, 2014	May 23, 2014	0.579327
May 27, 2014	Jun 24, 2014	0.566942
Jun 25, 2014	Jul 24, 2014	0.557341
Jul 25, 2014	Aug 22, 2014	0.546518
Aug 25, 2014	Sep 24, 2014	0.538510
Sep 25, 2014	Oct 24, 2014	0.527793
Oct 27, 2014	Nov 24, 2014	0.523140
Nov 25, 2014	Dec 24, 2014	0.511642
Dec 26, 2014	Jan 23, 2015	0.502155
Jan 26, 2015	Feb 24, 2015	0.492701
Feb 25, 2015	Mar 24, 2015	0.483635
Mar 25, 2015	Apr 24, 2015	0.480325
Apr 27, 2015	May 22, 2015	0.472427
May 26, 2015	Jun 24, 2015	0.463296
Jun 25, 2015		0.458385

1A8 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	0.931829
Nov 25, 2008	Dec 24, 2008	0.924350
Dec 26, 2008	Jan 23, 2009	0.920896
Jan 26, 2009	Feb 24, 2009	0.915573
Feb 25, 2009	Mar 24, 2009	0.907730
Mar 25, 2009	Apr 24, 2009	0.895062
Apr 27, 2009	May 22, 2009	0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010 Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	0.667296
Feb 25, 2011	Mar 24, 2011	0.652213
Mar 25, 2011	Apr 22, 2011	0.641475
Apr 25, 2011	May 24, 2011	0.632922
May 25, 2011	Jun 24, 2011	0.621867
Jun 27, 2011	Jul 22, 2011	0.615857
Jul 25, 2011	Aug 24, 2011	0.607926
Aug 25, 2011	Sep 23, 2011	0.599864
	1: -/	0.352517

1A8 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.541503
Mar 26, 2012	Apr 24, 2012	0.537151
Apr 25, 2012	May 24, 2012	0.527705
May 25, 2012	Jun 22, 2012	0.515450
Jun 25, 2012	Jul 24, 2012	0.508472
Jul 25, 2012	Aug 24, 2012	0.498609
Aug 27, 2012	Sep 24, 2012	0.489293
Sep 25, 2012	Oct 24, 2012	0.480043
Oct 25, 2012	Nov 23, 2012	0.467598
Nov 26, 2012	Dec 24, 2012	0.461439
Dec 26, 2012	Jan 24, 2013	0.454410
Jan 25, 2013	Feb 22, 2013	0.445217
Feb 25, 2013	Mar 22, 2013	0.435437
Mar 25, 2013	Apr 24, 2013	0.429276
Apr 25, 2013	May 24, 2013	0.421604
May 28, 2013	Jun 24, 2013	0.409928
Jun 25, 2013	Jul 24, 2013	0.402413
Jul 25, 2013	Aug 23, 2013	0.391049
Aug 26, 2013	Sep 24, 2013	0.378136
Sep 25, 2013	Oct 24, 2013	0.368776
Oct 25, 2013	Nov 22, 2013	0.363037
Nov 25, 2013	Dec 24, 2013	0.356942
Dec 26, 2013	Jan 24, 2014	0.350236
Jan 27, 2014	Feb 24, 2014	0.344843
Feb 25, 2014	Mar 24, 2014	0.339284
Mar 25, 2014	Apr 24, 2014	0.335422
Apr 25, 2014	May 23, 2014	0.328611
May 27, 2014	Jun 24, 2014	0.321593
Jun 25, 2014	Jul 24, 2014	0.316147
Jul 25, 2014	Aug 22, 2014	0.310025
Aug 25, 2014	Sep 24, 2014	0.305486
Sep 25, 2014	Oct 24, 2014	0.299409
Oct 27, 2014	Nov 24, 2014	0.296770
Nov 25, 2014	Dec 24, 2014	0.290249
Dec 26, 2014	Jan 23, 2015	0.284868
Jan 26, 2015	Feb 24, 2015	0.279505
Feb 25, 2015	Mar 24, 2015	0.274362
Mar 25, 2015	Apr 24, 2015	0.272485
Apr 27, 2015	May 22, 2015	0.268016
May 26, 2015	Jun 24, 2015	0.262837
Jun 25, 2015		0.260061

1A9 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
	·	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010 Oct 25, 2010	Oct 22, 2010 Nov 24, 2010	1.000000
Nov 26, 2010	•	1.000000
Dec 27, 2010	Dec 23, 2010	1.000000
Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
		1.000000

1A9 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.00000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.965121
Mar 26, 2012	Apr 24, 2012	0.957366
Apr 25, 2012	May 24, 2012	0.940530
May 25, 2012	Jun 22, 2012	0.918688
Jun 25, 2012	Jul 24, 2012	0.906251
Jul 25, 2012	Aug 24, 2012	0.888672
Aug 27, 2012	Sep 24, 2012	0.872068
Sep 25, 2012	Oct 24, 2012	0.855581
Oct 25, 2012	Nov 23, 2012	0.833401
Nov 26, 2012	Dec 24, 2012	0.822423
Dec 26, 2012	Jan 24, 2013	0.809896
Jan 25, 2013	Feb 22, 2013	0.793511
Feb 25, 2013	Mar 22, 2013	0.785067
Mar 25, 2013	Apr 24, 2013	0.774198
Apr 25, 2013	May 24, 2013	0.760873
May 28, 2013	Jun 24, 2013	0.739862
Jun 25, 2013	Jul 24, 2013	0.726300
Jul 25, 2013	Aug 23, 2013	0.706225
Aug 26, 2013	Sep 24, 2013	0.682919
Sep 25, 2013	Oct 24, 2013	0.666018
Oct 25, 2013	Nov 22, 2013	0.655673
Nov 25, 2013	Dec 24, 2013	0.645053
Dec 26, 2013	Jan 24, 2014	0.632935
Jan 27, 2014	Feb 24, 2014	0.623206
Feb 25, 2014	Mar 24, 2014	0.613309
Mar 25, 2014	Apr 24, 2014	0.606327
Apr 25, 2014	May 23, 2014	0.594013
May 27, 2014	Jun 24, 2014	0.581314
Jun 25, 2014	Jul 24, 2014	0.571469
Jul 25, 2014	Aug 22, 2014	0.560372
Aug 25, 2014	Sep 24, 2014	0.552161
Sep 25, 2014	Oct 24, 2014	0.541172
Oct 27, 2014	Nov 24, 2014	0.536401
Nov 25, 2014	Dec 24, 2014	0.524612
Dec 26, 2014	Jan 23, 2015	0.514885
Jan 26, 2015	Feb 24, 2015	0.505191
Feb 25, 2015	Mar 24, 2015	0.495895
Mar 25, 2015	Apr 24, 2015	0.492501
Apr 27, 2015	May 22, 2015	0.484403
May 26, 2015	Jun 24, 2015	0.475040
Jun 25, 2015		0.470005

1A10 Certificate Factor Chart

From	То	Factor
<u>FIOIII</u>	Aug 24, 2007	<u>Factor</u> 1.000000
Aug 27, 2007	Sep 24, 2007	0.998190
Sep 25, 2007	Oct 24, 2007	0.991263
Oct 25, 2007	Nov 23, 2007	0.985774
Nov 26, 2007	Dec 24, 2007	0.980053
Dec 26, 2007	Jan 24, 2008	0.979440
Jan 25, 2008	Feb 22, 2008	0.971695
Feb 25, 2008	Mar 24, 2008	0.962080
Mar 25, 2008	Apr 24, 2008	0.956615
Apr 25, 2008	May 23, 2008	0.946785
May 27, 2008	Jun 24, 2008	0.941877
Jun 25, 2008	Jul 24, 2008	0.929517
Jul 25, 2008	Aug 22, 2008	0.916411
Aug 25, 2008	Sep 24, 2008	0.912986
Sep 25, 2008	Oct 24, 2008	0.911908
Oct 27, 2008	Nov 24, 2008	0.910568
Nov 25, 2008	Dec 24, 2008	0.907721
Dec 26, 2008	Jan 23, 2009	0.904433
Jan 26, 2009	Feb 24, 2009	0.899079
Feb 25, 2009	Mar 24, 2009	0.892875
Mar 25, 2009	Apr 24, 2009	0.888652
Apr 27, 2009	May 22, 2009	0.884483
May 26, 2009	Jun 24, 2009	0.879050
Jun 25, 2009	Jul 24, 2009	0.877724
Jul 27, 2009	Aug 24, 2009	0.864610
Aug 25, 2009	Sep 24, 2009	0.855954
Sep 25, 2009	Oct 23, 2009	0.849063
Oct 26, 2009	Nov 24, 2009	0.843711
Nov 25, 2009	Dec 24, 2009	0.838151
Dec 28, 2009	Jan 22, 2010	0.830823
Jan 25, 2010	Feb 24, 2010	0.828405
Feb 25, 2010	Mar 24, 2010	0.823032
Mar 25, 2010	Apr 23, 2010	0.818316
Apr 26, 2010	May 24, 2010	0.806551
May 25, 2010	Jun 24, 2010	0.805562
Jun 25, 2010	Jul 23, 2010	0.799828
Jul 26, 2010	Aug 24, 2010	0.797766
Aug 25, 2010	Sep 24, 2010	0.783336
Sep 27, 2010	Oct 22, 2010	0.778410
Oct 25, 2010	Nov 24, 2010	0.773468
Nov 26, 2010	Dec 23, 2010	0.765731
Dec 27, 2010	Jan 24, 2011	0.765274
Jan 25, 2011	Feb 24, 2011	0.748033
Feb 25, 2011	Mar 24, 2011	0.741187
Mar 25, 2011	Apr 22, 2011	0.734125
Apr 25, 2011	May 24, 2011	0.728654
May 25, 2011	Jun 24, 2011	0.726724
Jun 27, 2011	Jul 22, 2011	0.722297
Jul 25, 2011	Aug 24, 2011	0.714929
Aug 25, 2011	Sep 23, 2011	0.714414

1A10 Certificate Factor Chart

_	_	
From Sep 26, 2011	<u>To</u> Oct 24, 2011	<u>Factor</u>
Oct 25, 2011	Nov 23, 2011	0.707461 0.695916
Nov 25, 2011	Dec 23, 2011	0.693679
Dec 27, 2011	Jan 24, 2012	0.693402
Jan 25, 2012	Feb 24, 2012	0.689366
Feb 27, 2012	Mar 23, 2012	0.679708
Mar 26, 2012	Apr 24, 2012	0.665657
Apr 25, 2012	May 24, 2012	0.651231
May 25, 2012	Jun 22, 2012	0.645794
Jun 25, 2012	Jul 24, 2012	0.637249
Jul 25, 2012	Aug 24, 2012	0.631464
Aug 27, 2012	Sep 24, 2012	0.627095
Sep 25, 2012	Oct 24, 2012	0.620298
Oct 25, 2012	Nov 23, 2012	0.612186
Nov 26, 2012	Dec 24, 2012	0.603036
Dec 26, 2012	Jan 24, 2013	0.593481
Jan 25, 2013	Feb 22, 2013	0.583022
Feb 25, 2013	Mar 22, 2013	0.580263
Mar 25, 2013	Apr 24, 2013	0.574658
Apr 25, 2013	May 24, 2013	0.569926
May 28, 2013	Jun 24, 2013	0.566760
Jun 25, 2013	Jul 24, 2013	0.553435
Jul 25, 2013	Aug 23, 2013	0.542933
Aug 26, 2013	Sep 24, 2013	0.537084
Sep 25, 2013	Oct 24, 2013	0.535991
Oct 25, 2013	Nov 22, 2013	0.531126
Nov 25, 2013	Dec 24, 2013	0.527186
Dec 26, 2013	Jan 24, 2014	0.517393
Jan 27, 2014	Feb 24, 2014	0.505887
Feb 25, 2014	Mar 24, 2014	0.500215
Mar 25, 2014	Apr 24, 2014	0.499795
Apr 25, 2014	May 23, 2014	0.496484
May 27, 2014	Jun 24, 2014	0.496629
Jun 25, 2014	Jul 24, 2014	0.493064
Jul 25, 2014	Aug 22, 2014	0.483546
Aug 25, 2014	Sep 24, 2014	0.472093
Sep 25, 2014 Oct 27, 2014	Oct 24, 2014 Nov 24, 2014	0.470418
Nov 25, 2014	Dec 24, 2014	0.467688
Dec 26, 2014	Jan 23, 2015	0.457275
Jan 26, 2015	Feb 24, 2015	0.444912
Feb 25, 2015	Mar 24, 2015	0.439437
Mar 25, 2015	Apr 24, 2015	0.439428
Apr 27, 2015	May 22, 2015	0.436700
May 26, 2015	Jun 24, 2015	0.423228
Jun 25, 2015	,	0.417640
		0.415067

1A11 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997020
Sep 25, 2007	Oct 24, 2007	0.993572
Oct 25, 2007	Nov 23, 2007	0.989657
Nov 26, 2007	Dec 24, 2007	0.985275
Dec 26, 2007	Jan 24, 2008	0.980428
Jan 25, 2008	Feb 22, 2008	0.975118
Feb 25, 2008	Mar 24, 2008	0.969346
Mar 25, 2008	Apr 24, 2008	0.963115
Apr 25, 2008	May 23, 2008	0.956426
May 27, 2008	Jun 24, 2008	0.949282
Jun 25, 2008	Jul 24, 2008	0.941686
Jul 25, 2008	Aug 22, 2008	0.933641
Aug 25, 2008	Sep 24, 2008	0.925150
Sep 25, 2008	Oct 24, 2008	0.916217
Oct 27, 2008	Nov 24, 2008	0.911323
Nov 25, 2008	Dec 24, 2008	0.897038
Dec 26, 2008	Jan 23, 2009	0.887870
Jan 26, 2009	Feb 24, 2009	0.876135
Feb 25, 2009	Mar 24, 2009	0.865048
Mar 25, 2009	Apr 24, 2009	0.853544
Apr 27, 2009	May 22, 2009	0.841628
May 26, 2009	Jun 24, 2009	0.829306
Jun 25, 2009	Jul 24, 2009	0.816584
Jul 27, 2009	Aug 24, 2009	0.803470
Aug 25, 2009	Sep 24, 2009	0.789976
Sep 25, 2009	Oct 23, 2009	0.776123
Oct 26, 2009	Nov 24, 2009	0.761937
Nov 25, 2009	Dec 24, 2009	0.747482
Dec 28, 2009	Jan 22, 2010	0.732860
Jan 25, 2010	Feb 24, 2010	0.718255
Feb 25, 2010	Mar 24, 2010	0.703726
Mar 25, 2010	Apr 23, 2010	0.689272
Apr 26, 2010	May 24, 2010	0.674893
May 25, 2010	Jun 24, 2010	0.660588
Jun 25, 2010	Jul 23, 2010	0.646358
Jul 26, 2010	Aug 24, 2010	0.632202
Aug 25, 2010	Sep 24, 2010	0.618119
Sep 27, 2010	Oct 22, 2010	0.604109
Oct 25, 2010	Nov 24, 2010	0.590171
Nov 26, 2010	Dec 23, 2010	0.576306
Dec 27, 2010	Jan 24, 2011	0.562513
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.548792
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.535141
	May 24, 2011	0.521562
Apr 25, 2011 May 25, 2011	Jun 24, 2011	0.508053
Jun 27, 2011	Jul 22, 2011	0.494614
Jul 25, 2011	Aug 24, 2011	0.481245
Aug 25, 2011	Sep 23, 2011	0.467945
, IUE 23, 2011	JCP 23, 2011	0.454715

1A11 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.441553
Oct 25, 2011	Nov 23, 2011	0.428459
Nov 25, 2011	Dec 23, 2011	0.415434
Dec 27, 2011	Jan 24, 2012	0.402476
Jan 25, 2012	Feb 24, 2012	0.394859
Feb 27, 2012	Mar 23, 2012	0.390150
Mar 26, 2012	Apr 24, 2012	0.387604
Apr 25, 2012	May 24, 2012	0.381517
May 25, 2012	Jun 22, 2012	0.374322
Jun 25, 2012	Jul 24, 2012	0.370416
Jul 25, 2012	Aug 24, 2012	0.364436
Aug 27, 2012	Sep 24, 2012	0.358856
Sep 25, 2012	Oct 24, 2012	0.353061
Oct 25, 2012	Nov 23, 2012	0.345291
Nov 26, 2012	Dec 24, 2012	0.341393
Dec 26, 2012	Jan 24, 2013	0.338013
Jan 25, 2013	Feb 22, 2013	0.332335
Feb 25, 2013	Mar 22, 2013	0.325033
Mar 25, 2013	Apr 24, 2013	0.320434
Apr 25, 2013	May 24, 2013	0.314708
May 28, 2013	Jun 24, 2013	0.305991
Jun 25, 2013	Jul 24, 2013	0.300382
Jul 25, 2013	Aug 23, 2013	0.291899
Aug 26, 2013	Sep 24, 2013	0.282261
Sep 25, 2013	Oct 24, 2013	0.275273
Oct 25, 2013	Nov 22, 2013	0.270990
Nov 25, 2013	Dec 24, 2013	0.266440
Dec 26, 2013	Jan 24, 2014	0.261435
Jan 27, 2014	Feb 24, 2014	0.257408
Feb 25, 2014	Mar 24, 2014	0.253259
Mar 25, 2014	Apr 24, 2014	0.250376
Apr 25, 2014	May 23, 2014	0.245292
May 27, 2014	Jun 24, 2014	0.240054
Jun 25, 2014	Jul 24, 2014	0.235988
Jul 25, 2014	Aug 22, 2014	0.231419
Aug 25, 2014	Sep 24, 2014	0.228031
Sep 25, 2014	Oct 24, 2014	0.223495
Oct 27, 2014	Nov 24, 2014	0.221524
Nov 25, 2014	Dec 24, 2014	0.216657
Dec 26, 2014	Jan 23, 2015	0.212640
Jan 26, 2015	Feb 24, 2015	0.208637
Feb 25, 2015	Mar 24, 2015	0.204798
Mar 25, 2015	Apr 24, 2015	0.203397
Apr 27, 2015	May 22, 2015	0.200061
May 26, 2015	Jun 24, 2015	0.196195
Jun 25, 2015		0.194123

1A12 Certificate Factor Chart

From	То	<u>Factor</u>
<u>FIOIII</u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995854
Sep 25, 2007	Oct 24, 2007	0.984391
Oct 25, 2007	Nov 23, 2007	0.979561
Nov 26, 2007	Dec 24, 2007	0.979112
Dec 26, 2007	Jan 24, 2008	0.973608
Jan 25, 2008	Feb 22, 2008	0.966185
Feb 25, 2008	Mar 24, 2008	0.958068
Mar 25, 2008	Apr 24, 2008	0.952034
Apr 25, 2008	May 23, 2008	0.941587
May 27, 2008	Jun 24, 2008	0.930428
Jun 25, 2008	Jul 24, 2008	0.920942
Jul 25, 2008	Aug 22, 2008	0.907972
Aug 25, 2008	Sep 24, 2008	0.904203
Sep 25, 2008	Oct 24, 2008	0.900203
Oct 27, 2008	Nov 24, 2008	
Nov 25, 2008	Dec 24, 2008	0.900203 0.894183
Dec 26, 2008	Jan 23, 2009	0.894183
Jan 26, 2009	Feb 24, 2009	0.891592
Feb 25, 2009	Mar 24, 2009	0.881068
Mar 25, 2009	Apr 24, 2009	0.857144
Apr 27, 2009	May 22, 2009	0.841801
May 26, 2009	Jun 24, 2009	
Jun 25, 2009	Jul 24, 2009	0.811495 0.785263
Jul 27, 2009	Aug 24, 2009	0.763649
Aug 25, 2009	Sep 24, 2009	0.737722
Sep 25, 2009	Oct 23, 2009	0.733888
Oct 26, 2009	Nov 24, 2009	0.722818
Nov 25, 2009	Dec 24, 2009	0.717397
Dec 28, 2009	Jan 22, 2010	0.707605
Jan 25, 2010	Feb 24, 2010	0.693217
Feb 25, 2010	Mar 24, 2010	0.671428
Mar 25, 2010	Apr 23, 2010	0.669544
Apr 26, 2010	May 24, 2010	0.659356
May 25, 2010	Jun 24, 2010	0.653368
Jun 25, 2010	Jul 23, 2010	0.649769
Jul 26, 2010	Aug 24, 2010	0.634429
Aug 25, 2010	Sep 24, 2010	0.612185
Sep 27, 2010	Oct 22, 2010	0.594268
Oct 25, 2010	Nov 24, 2010	0.569289
Nov 26, 2010	Dec 23, 2010	0.543197
Dec 27, 2010	Jan 24, 2011	0.518036
Jan 25, 2011	Feb 24, 2011	0.489573
Feb 25, 2011	Mar 24, 2011	0.473512
Mar 25, 2011	Apr 22, 2011	0.463644
Apr 25, 2011	May 24, 2011	0.446519
May 25, 2011	Jun 24, 2011	0.443799
Jun 27, 2011	Jul 22, 2011	0.435491
Jul 25, 2011	Aug 24, 2011	0.426730
Aug 25, 2011	Sep 23, 2011	0.419373

1A12 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.403388
Oct 25, 2011	Nov 23, 2011	0.394834
Nov 25, 2011	Dec 23, 2011	0.391007
Dec 27, 2011	Jan 24, 2012	0.386175
Jan 25, 2012	Feb 24, 2012	0.378867
Feb 27, 2012	Mar 23, 2012	0.374348
Mar 26, 2012	Apr 24, 2012	0.371906
Apr 25, 2012	May 24, 2012	0.366065
May 25, 2012	Jun 22, 2012	0.359161
Jun 25, 2012	Jul 24, 2012	0.355413
Jul 25, 2012	Aug 24, 2012	0.349676
Aug 27, 2012	Sep 24, 2012	0.344321
Sep 25, 2012	Oct 24, 2012	0.338761
Oct 25, 2012	Nov 23, 2012	0.331306
Nov 26, 2012	Dec 24, 2012	0.327567
Dec 26, 2012	Jan 24, 2013	0.324323
Jan 25, 2013	Feb 22, 2013	0.318875
Feb 25, 2013	Mar 22, 2013	0.311869
Mar 25, 2013	Apr 24, 2013	0.307456
Apr 25, 2013	May 24, 2013	0.301962
May 28, 2013	Jun 24, 2013	0.293598
Jun 25, 2013	Jul 24, 2013	0.288216
Jul 25, 2013	Aug 23, 2013	0.280077
Aug 26, 2013	Sep 24, 2013	0.270829
Sep 25, 2013	Oct 24, 2013	0.264124
Oct 25, 2013	Nov 22, 2013	0.260014
Nov 25, 2013	Dec 24, 2013	0.255649
Dec 26, 2013	Jan 24, 2014	0.250846
Jan 27, 2014	Feb 24, 2014	0.246983
Feb 25, 2014	Mar 24, 2014	0.243002
Mar 25, 2014	Apr 24, 2014	0.240236
Apr 25, 2014	May 23, 2014	0.235357
May 27, 2014	Jun 24, 2014	0.230331
Jun 25, 2014	Jul 24, 2014	0.226431
Jul 25, 2014	Aug 22, 2014	0.222046
Aug 25, 2014	Sep 24, 2014	0.218795
Sep 25, 2014	Oct 24, 2014	0.214443
Oct 27, 2014	Nov 24, 2014	0.212552
Nov 25, 2014	Dec 24, 2014	0.207882
Dec 26, 2014	Jan 23, 2015	0.204028
Jan 26, 2015	Feb 24, 2015	0.200187
Feb 25, 2015	Mar 24, 2015	0.196503
Mar 25, 2015	Apr 24, 2015	0.195159
Apr 27, 2015	May 22, 2015	0.191958
May 26, 2015	Jun 24, 2015	0.188249
Jun 25, 2015		0.186261

1A13 Certificate Factor Chart

From	То	<u>Factor</u>
<u>FIOIII</u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995854
Sep 25, 2007	Oct 24, 2007	0.984391
Oct 25, 2007	Nov 23, 2007	0.979561
Nov 26, 2007	Dec 24, 2007	0.979112
Dec 26, 2007	Jan 24, 2008	0.973608
Jan 25, 2008	Feb 22, 2008	0.966185
Feb 25, 2008	Mar 24, 2008	0.958068
Mar 25, 2008	Apr 24, 2008	0.952034
Apr 25, 2008	May 23, 2008	0.941587
May 27, 2008	Jun 24, 2008	0.930428
Jun 25, 2008	Jul 24, 2008	0.920942
Jul 25, 2008	Aug 22, 2008	0.907972
Aug 25, 2008	Sep 24, 2008	0.904203
Sep 25, 2008	Oct 24, 2008	0.900203
Oct 27, 2008	Nov 24, 2008	
Nov 25, 2008	Dec 24, 2008	0.900203 0.894183
Dec 26, 2008	Jan 23, 2009	0.894183
Jan 26, 2009	Feb 24, 2009	0.891592
Feb 25, 2009	Mar 24, 2009	0.881068
Mar 25, 2009	Apr 24, 2009	0.857144
Apr 27, 2009	May 22, 2009	0.841801
May 26, 2009	Jun 24, 2009	
Jun 25, 2009	Jul 24, 2009	0.811495 0.785263
Jul 27, 2009	Aug 24, 2009	0.763649
Aug 25, 2009	Sep 24, 2009	0.737722
Sep 25, 2009	Oct 23, 2009	0.733888
Oct 26, 2009	Nov 24, 2009	0.722818
Nov 25, 2009	Dec 24, 2009	0.717397
Dec 28, 2009	Jan 22, 2010	0.707605
Jan 25, 2010	Feb 24, 2010	0.693217
Feb 25, 2010	Mar 24, 2010	0.671428
Mar 25, 2010	Apr 23, 2010	0.669544
Apr 26, 2010	May 24, 2010	0.659356
May 25, 2010	Jun 24, 2010	0.653368
Jun 25, 2010	Jul 23, 2010	0.649769
Jul 26, 2010	Aug 24, 2010	0.634429
Aug 25, 2010	Sep 24, 2010	0.612185
Sep 27, 2010	Oct 22, 2010	0.594268
Oct 25, 2010	Nov 24, 2010	0.569289
Nov 26, 2010	Dec 23, 2010	0.543197
Dec 27, 2010	Jan 24, 2011	0.518036
Jan 25, 2011	Feb 24, 2011	0.489573
Feb 25, 2011	Mar 24, 2011	0.473512
Mar 25, 2011	Apr 22, 2011	0.463644
Apr 25, 2011	May 24, 2011	0.446519
May 25, 2011	Jun 24, 2011	0.443799
Jun 27, 2011	Jul 22, 2011	0.435491
Jul 25, 2011	Aug 24, 2011	0.426730
Aug 25, 2011	Sep 23, 2011	0.419373

1A13 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.403388
Oct 25, 2011	Nov 23, 2011	0.394834
Nov 25, 2011	Dec 23, 2011	0.391007
Dec 27, 2011	Jan 24, 2012	0.386175
Jan 25, 2012	Feb 24, 2012	0.378867
Feb 27, 2012	Mar 23, 2012	0.374348
Mar 26, 2012	Apr 24, 2012	0.371906
Apr 25, 2012	May 24, 2012	0.366065
May 25, 2012	Jun 22, 2012	0.359161
Jun 25, 2012	Jul 24, 2012	0.355413
Jul 25, 2012	Aug 24, 2012	0.349676
Aug 27, 2012	Sep 24, 2012	0.344321
Sep 25, 2012	Oct 24, 2012	0.338761
Oct 25, 2012	Nov 23, 2012	0.331306
Nov 26, 2012	Dec 24, 2012	0.327567
Dec 26, 2012	Jan 24, 2013	0.324323
Jan 25, 2013	Feb 22, 2013	0.318875
Feb 25, 2013	Mar 22, 2013	0.311869
Mar 25, 2013	Apr 24, 2013	0.307456
Apr 25, 2013	May 24, 2013	0.301962
May 28, 2013	Jun 24, 2013	0.293598
Jun 25, 2013	Jul 24, 2013	0.288216
Jul 25, 2013	Aug 23, 2013	0.280077
Aug 26, 2013	Sep 24, 2013	0.270829
Sep 25, 2013	Oct 24, 2013	0.264124
Oct 25, 2013	Nov 22, 2013	0.260014
Nov 25, 2013	Dec 24, 2013	0.255649
Dec 26, 2013	Jan 24, 2014	0.250846
Jan 27, 2014	Feb 24, 2014	0.246983
Feb 25, 2014	Mar 24, 2014	0.243002
Mar 25, 2014	Apr 24, 2014	0.240236
Apr 25, 2014	May 23, 2014	0.235357
May 27, 2014	Jun 24, 2014	0.230331
Jun 25, 2014	Jul 24, 2014	0.226431
Jul 25, 2014	Aug 22, 2014	0.222046
Aug 25, 2014	Sep 24, 2014	0.218795
Sep 25, 2014	Oct 24, 2014	0.214443
Oct 27, 2014	Nov 24, 2014	0.212552
Nov 25, 2014	Dec 24, 2014	0.207882
Dec 26, 2014	Jan 23, 2015	0.204028
Jan 26, 2015	Feb 24, 2015	0.200187
Feb 25, 2015	Mar 24, 2015	0.196503
Mar 25, 2015	Apr 24, 2015	0.195159
Apr 27, 2015	May 22, 2015	0.191958
May 26, 2015	Jun 24, 2015	0.188249
Jun 25, 2015		0.186261

1A14 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A14 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.00000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.819666
Feb 25, 2013	Mar 22, 2013	0.796590
Mar 25, 2013	Apr 24, 2013	0.781747
Apr 25, 2013	May 24, 2013	0.762339
May 28, 2013	Jun 24, 2013	0.732967
Jun 25, 2013	Jul 24, 2013	0.714236
Jul 25, 2013	Aug 23, 2013	0.683583
Aug 26, 2013	Sep 24, 2013	0.655700
Sep 25, 2013	Oct 24, 2013	0.637970
Oct 25, 2013	Nov 22, 2013	0.626407
Nov 25, 2013	Dec 24, 2013	0.613471
Dec 26, 2013	Jan 24, 2014	0.598873
Jan 27, 2014	Feb 24, 2014	0.588065
Feb 25, 2014	Mar 24, 2014	0.578962
Mar 25, 2014	Apr 24, 2014	0.572371
Apr 25, 2014	May 23, 2014	0.560781
May 27, 2014	Jun 24, 2014	0.548973
Jun 25, 2014	Jul 24, 2014	0.539680
Jul 25, 2014	Aug 22, 2014	0.529602
Aug 25, 2014	Sep 24, 2014	0.521928
Sep 25, 2014	Oct 24, 2014	0.511600
Oct 27, 2014	Nov 24, 2014	0.507089
Nov 25, 2014	Dec 24, 2014	0.495991
Dec 26, 2014	Jan 23, 2015	0.486795
Jan 26, 2015	Feb 24, 2015	0.477637
Feb 25, 2015	Mar 24, 2015	0.468848
Mar 25, 2015	Apr 24, 2015	0.465670
Apr 27, 2015	May 22, 2015	0.458229
May 26, 2015	Jun 24, 2015	0.449397
Jun 25, 2015		0.444836

1A15 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A15 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.828003
Feb 25, 2013	Mar 22, 2013	0.811712
Mar 25, 2013	Apr 24, 2013	0.801566
Apr 25, 2013	May 24, 2013	0.789283
May 28, 2013	Jun 24, 2013	0.770523
Jun 25, 2013	Jul 24, 2013	0.758384
Jul 25, 2013	Aug 23, 2013	0.740903
Aug 26, 2013	Sep 24, 2013	0.718432
Sep 25, 2013	Oct 24, 2013	0.701210
Oct 25, 2013	Nov 22, 2013	0.690912
Nov 25, 2013	Dec 24, 2013	0.680220
Dec 26, 2013	Jan 24, 2014	0.668595
Jan 27, 2014	Feb 24, 2014	0.658894
Feb 25, 2014	Mar 24, 2014	0.648131
Mar 25, 2014	Apr 24, 2014	0.640753
Apr 25, 2014	May 23, 2014	0.627730
May 27, 2014	Jun 24, 2014	0.614261
Jun 25, 2014	Jul 24, 2014	0.603858
Jul 25, 2014	Aug 22, 2014	0.592026
Aug 25, 2014	Sep 24, 2014	0.583328
Sep 25, 2014	Oct 24, 2014	0.571704
Oct 27, 2014	Nov 24, 2014	0.566663
Nov 25, 2014	Dec 24, 2014	0.554197
Dec 26, 2014	Jan 23, 2015	0.543921
Jan 26, 2015	Feb 24, 2015	0.533679
Feb 25, 2015	Mar 24, 2015	0.523859
Mar 25, 2015	Apr 24, 2015	0.520265
Apr 27, 2015	May 22, 2015	0.511657
May 26, 2015	Jun 24, 2015	0.501762
Jun 25, 2015		0.496395

1A16 Certificate Factor Chart

From	То	<u>Factor</u>
<u> </u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010 Oct 25, 2010	Oct 22, 2010 Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A16 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.00000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.825728
Feb 25, 2013	Mar 22, 2013	0.807585
Mar 25, 2013	Apr 24, 2013	0.796157
Apr 25, 2013	May 24, 2013	0.781929
May 28, 2013	Jun 24, 2013	0.760273
Jun 25, 2013	Jul 24, 2013	0.746335
Jul 25, 2013	Aug 23, 2013	0.725259
Aug 26, 2013	Sep 24, 2013	0.701311
Sep 25, 2013	Oct 24, 2013	0.683950
Oct 25, 2013	Nov 22, 2013	0.673307
Nov 25, 2013	Dec 24, 2013	0.662002
Dec 26, 2013	Jan 24, 2014	0.649566
Jan 27, 2014	Feb 24, 2014	0.639563
Feb 25, 2014	Mar 24, 2014	0.629253
Mar 25, 2014	Apr 24, 2014	0.622090
Apr 25, 2014	May 23, 2014	0.609457
May 27, 2014	Jun 24, 2014	0.596442
Jun 25, 2014	Jul 24, 2014	0.586342
Jul 25, 2014	Aug 22, 2014	0.574989
Aug 25, 2014	Sep 24, 2014	0.566570
Sep 25, 2014	Oct 24, 2014	0.555299
Oct 27, 2014	Nov 24, 2014	0.550404
Nov 25, 2014	Dec 24, 2014	0.538311
Dec 26, 2014	Jan 23, 2015	0.528330
Jan 26, 2015	Feb 24, 2015	0.518383
Feb 25, 2015	Mar 24, 2015	0.508845
Mar 25, 2015	Apr 24, 2015	0.505365
Apr 27, 2015	May 22, 2015	0.497075
May 26, 2015	Jun 24, 2015	0.487470
Jun 25, 2015		0.482323

1A17 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A17 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.827678
Feb 25, 2013	Mar 22, 2013	0.811123
Mar 25, 2013	Apr 24, 2013	0.800793
Apr 25, 2013	May 24, 2013	0.788233
May 28, 2013	Jun 24, 2013	0.769059
Jun 25, 2013	Jul 24, 2013	0.756663
Jul 25, 2013	Aug 23, 2013	0.738668
Aug 26, 2013	Sep 24, 2013	0.715986
Sep 25, 2013	Oct 24, 2013	0.698744
Oct 25, 2013	Nov 22, 2013	0.688397
Nov 25, 2013	Dec 24, 2013	0.677618
Dec 26, 2013	Jan 24, 2014	0.665876
Jan 27, 2014	Feb 24, 2014	0.656132
Feb 25, 2014	Mar 24, 2014	0.645434
Mar 25, 2014	Apr 24, 2014	0.638087
Apr 25, 2014	May 23, 2014	0.625119
May 27, 2014	Jun 24, 2014	0.611716
Jun 25, 2014	Jul 24, 2014	0.601355
Jul 25, 2014	Aug 22, 2014	0.589592
Aug 25, 2014	Sep 24, 2014	0.580934
Sep 25, 2014	Oct 24, 2014	0.569360
Oct 27, 2014	Nov 24, 2014	0.564340
Nov 25, 2014	Dec 24, 2014	0.551927
Dec 26, 2014	Jan 23, 2015	0.541694
Jan 26, 2015 Feb 25, 2015	Feb 24, 2015 Mar 24, 2015	0.531494
Mar 25, 2015	Apr 24, 2015	0.521714
Apr 27, 2015	May 22, 2015	0.518137
May 26, 2015	Jun 24, 2015	0.509574
Jun 25, 2015	Juli 27, 2013	0.499720
Juli 23, 2013		0.494384

1A18 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.689750
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.682508
Apr 25, 2011	May 24, 2011	0.674716
May 25, 2011	Jun 24, 2011	0.667134
Jun 27, 2011	Jul 22, 2011	0.662305
Jul 25, 2011	Aug 24, 2011	0.655648
Aug 25, 2011	Sep 23, 2011	0.645537
	30p 23, 2011	0.638723

1A18 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.610078
Feb 27, 2012	Mar 23, 2012	0.597638
Mar 26, 2012	Apr 24, 2012	0.592427
Apr 25, 2012	May 24, 2012	0.583149
May 25, 2012	Jun 22, 2012	0.565339
Jun 25, 2012	Jul 24, 2012	0.559484
Jul 25, 2012	Aug 24, 2012	0.547407
Aug 27, 2012	Sep 24, 2012	0.538546
Sep 25, 2012	Oct 24, 2012	0.523391
Oct 25, 2012	Nov 23, 2012	0.515242
Nov 26, 2012	Dec 24, 2012	0.508403
Dec 26, 2012	Jan 24, 2013	0.502347
Jan 25, 2013	Feb 22, 2013	0.496992
Feb 25, 2013	Mar 22, 2013	0.494707
Mar 25, 2013	Apr 24, 2013	0.488857
Apr 25, 2013	May 24, 2013	0.480886
May 28, 2013	Jun 24, 2013	0.473284
Jun 25, 2013	Jul 24, 2013	0.467686
Jul 25, 2013	Aug 23, 2013	0.459981
Aug 26, 2013	Sep 24, 2013	0.452521
Sep 25, 2013	Oct 24, 2013	0.448463
Oct 25, 2013	Nov 22, 2013	0.441994
Nov 25, 2013	Dec 24, 2013	0.435137
Dec 26, 2013	Jan 24, 2014	0.430456
Jan 27, 2014	Feb 24, 2014	0.426595
Feb 25, 2014	Mar 24, 2014	0.423490
Mar 25, 2014	Apr 24, 2014	0.421952
Apr 25, 2014	May 23, 2014	0.417247
May 27, 2014	Jun 24, 2014	0.411259
Jun 25, 2014	Jul 24, 2014	0.404355
Jul 25, 2014	Aug 22, 2014	0.399791
Aug 25, 2014	Sep 24, 2014	0.396783
Sep 25, 2014	Oct 24, 2014	0.387809
Oct 27, 2014	Nov 24, 2014	0.385818
Nov 25, 2014	Dec 24, 2014	0.379021
Dec 26, 2014	Jan 23, 2015	0.373728
Jan 26, 2015	Feb 24, 2015	0.370194
Feb 25, 2015	Mar 24, 2015	0.366598
Mar 25, 2015	Apr 24, 2015	0.364664
Apr 27, 2015	May 22, 2015	0.359598
May 26, 2015	Jun 24, 2015	0.353933
Jun 25, 2015		0.352371

1A19 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.689750
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.682508
Apr 25, 2011	May 24, 2011	0.674716
May 25, 2011	Jun 24, 2011	0.667134
Jun 27, 2011	Jul 22, 2011	0.662305
Jul 25, 2011	Aug 24, 2011	0.655648
Aug 25, 2011	Sep 23, 2011	0.645537
	30p 23, 2011	0.638723

1A19 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.610078
Feb 27, 2012	Mar 23, 2012	0.597638
Mar 26, 2012	Apr 24, 2012	0.592427
Apr 25, 2012	May 24, 2012	0.583149
May 25, 2012	Jun 22, 2012	0.565339
Jun 25, 2012	Jul 24, 2012	0.559484
Jul 25, 2012	Aug 24, 2012	0.547407
Aug 27, 2012	Sep 24, 2012	0.538546
Sep 25, 2012	Oct 24, 2012	0.523391
Oct 25, 2012	Nov 23, 2012	0.515242
Nov 26, 2012	Dec 24, 2012	0.508403
Dec 26, 2012	Jan 24, 2013	0.502347
Jan 25, 2013	Feb 22, 2013	0.496992
Feb 25, 2013	Mar 22, 2013	0.494707
Mar 25, 2013	Apr 24, 2013	0.488857
Apr 25, 2013	May 24, 2013	0.480886
May 28, 2013	Jun 24, 2013	0.473284
Jun 25, 2013	Jul 24, 2013	0.467686
Jul 25, 2013	Aug 23, 2013	0.459981
Aug 26, 2013	Sep 24, 2013	0.452521
Sep 25, 2013	Oct 24, 2013	0.448463
Oct 25, 2013	Nov 22, 2013	0.441994
Nov 25, 2013	Dec 24, 2013	0.435137
Dec 26, 2013	Jan 24, 2014	0.430456
Jan 27, 2014	Feb 24, 2014	0.426595
Feb 25, 2014	Mar 24, 2014	0.423490
Mar 25, 2014	Apr 24, 2014	0.421952
Apr 25, 2014	May 23, 2014	0.417247
May 27, 2014	Jun 24, 2014	0.411259
Jun 25, 2014	Jul 24, 2014	0.404355
Jul 25, 2014	Aug 22, 2014	0.399791
Aug 25, 2014	Sep 24, 2014	0.396783
Sep 25, 2014	Oct 24, 2014	0.387809
Oct 27, 2014	Nov 24, 2014	0.385818
Nov 25, 2014	Dec 24, 2014	0.379021
Dec 26, 2014	Jan 23, 2015	0.373728
Jan 26, 2015	Feb 24, 2015	0.370194
Feb 25, 2015	Mar 24, 2015	0.366598
Mar 25, 2015	Apr 24, 2015	0.364664
Apr 27, 2015	May 22, 2015	0.359598
May 26, 2015	Jun 24, 2015	0.353933
Jun 25, 2015		0.352371

1A20 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A20 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.825708
Feb 25, 2013	Mar 22, 2013	0.807571
Mar 25, 2013	Apr 24, 2013	0.796144
Apr 25, 2013	May 24, 2013	0.781916
May 28, 2013	Jun 24, 2013	0.760260
Jun 25, 2013	Jul 24, 2013	0.746323
Jul 25, 2013	Aug 23, 2013	0.725247
Aug 26, 2013	Sep 24, 2013	0.701299
Sep 25, 2013	Oct 24, 2013	0.683939
Oct 25, 2013	Nov 22, 2013	0.673296
Nov 25, 2013	Dec 24, 2013	0.661992
Dec 26, 2013	Jan 24, 2014	0.649556
Jan 27, 2014	Feb 24, 2014	0.639552
Feb 25, 2014	Mar 24, 2014	0.629243
Mar 25, 2014	Apr 24, 2014	0.622080
Apr 25, 2014	May 23, 2014	0.609448
May 27, 2014	Jun 24, 2014	0.596433
Jun 25, 2014	Jul 24, 2014	0.586333
Jul 25, 2014	Aug 22, 2014	0.574980
Aug 25, 2014	Sep 24, 2014	0.566561
Sep 25, 2014	Oct 24, 2014	0.555291
Oct 27, 2014	Nov 24, 2014	0.550395
Nov 25, 2014	Dec 24, 2014	0.538302
Dec 26, 2014	Jan 23, 2015	0.528321
Jan 26, 2015	Feb 24, 2015	0.518375
Feb 25, 2015	Mar 24, 2015	0.508837
Mar 25, 2015	Apr 24, 2015	0.505357
Apr 27, 2015	May 22, 2015	0.497067
May 26, 2015	Jun 24, 2015	0.487462
Jun 25, 2015		0.482315

1A21 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A21 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.825708
Feb 25, 2013	Mar 22, 2013	0.807571
Mar 25, 2013	Apr 24, 2013	0.796144
Apr 25, 2013	May 24, 2013	0.781916
May 28, 2013	Jun 24, 2013	0.760260
Jun 25, 2013	Jul 24, 2013	0.746323
Jul 25, 2013	Aug 23, 2013	0.725247
Aug 26, 2013	Sep 24, 2013	0.701299
Sep 25, 2013	Oct 24, 2013	0.683939
Oct 25, 2013	Nov 22, 2013	0.673296
Nov 25, 2013	Dec 24, 2013	0.661992
Dec 26, 2013	Jan 24, 2014	0.649556
Jan 27, 2014	Feb 24, 2014	0.639552
Feb 25, 2014	Mar 24, 2014	0.629243
Mar 25, 2014	Apr 24, 2014	0.622080
Apr 25, 2014	May 23, 2014	0.609448
May 27, 2014	Jun 24, 2014	0.596433
Jun 25, 2014	Jul 24, 2014	0.586333
Jul 25, 2014	Aug 22, 2014	0.574980
Aug 25, 2014	Sep 24, 2014	0.566561
Sep 25, 2014	Oct 24, 2014	0.555291
Oct 27, 2014	Nov 24, 2014	0.550395
Nov 25, 2014	Dec 24, 2014	0.538302
Dec 26, 2014	Jan 23, 2015	0.528321
Jan 26, 2015	Feb 24, 2015	0.518375
Feb 25, 2015	Mar 24, 2015	0.508837
Mar 25, 2015	Apr 24, 2015	0.505357
Apr 27, 2015	May 22, 2015	0.497067
May 26, 2015	Jun 24, 2015	0.487462
Jun 25, 2015		0.482315

1A22 Certificate Factor Chart

From	То	Factor
<u></u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	0.986381
May 27, 2008	Jun 24, 2008	0.972762
Jun 25, 2008	Jul 24, 2008	0.959143
Jul 25, 2008	Aug 22, 2008	0.945524
Aug 25, 2008	Sep 24, 2008	0.931905
Sep 25, 2008	Oct 24, 2008	0.918286
Oct 27, 2008	Nov 24, 2008	0.911635
Nov 25, 2008	Dec 24, 2008	0.898016
Dec 26, 2008	Jan 23, 2009	0.885557
Jan 26, 2009	Feb 24, 2009	0.871938
Feb 25, 2009	Mar 24, 2009	0.858320
Mar 25, 2009	Apr 24, 2009	0.844701
Apr 27, 2009	May 22, 2009	0.831082
May 26, 2009	Jun 24, 2009	0.817463
Jun 25, 2009	Jul 24, 2009	0.803844
Jul 27, 2009	Aug 24, 2009	0.790225
Aug 25, 2009	Sep 24, 2009	0.776606
Sep 25, 2009	Oct 23, 2009	0.762987
Oct 26, 2009	Nov 24, 2009	0.749368
Nov 25, 2009	Dec 24, 2009	0.735749
Dec 28, 2009	Jan 22, 2010	0.722130
Jan 25, 2010	Feb 24, 2010	0.708511
Feb 25, 2010	Mar 24, 2010	0.694892
Mar 25, 2010	Apr 23, 2010	0.681274
Apr 26, 2010	May 24, 2010	0.667655
May 25, 2010	Jun 24, 2010	0.654036
Jun 25, 2010	Jul 23, 2010	0.640417
Jul 26, 2010	Aug 24, 2010	0.626798
Aug 25, 2010	Sep 24, 2010	0.613179
Sep 27, 2010	Oct 22, 2010	0.599560
Oct 25, 2010	Nov 24, 2010	0.585941
Nov 26, 2010	Dec 23, 2010	0.572322
Dec 27, 2010	Jan 24, 2011	0.558703
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.545084
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.531465
	• •	0.517846
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.504228
Jun 27, 2011	Jul 22, 2011	0.490609
Jul 25, 2011	Aug 24, 2011	0.476990
Aug 25, 2011	Sep 23, 2011	0.463371
, IUE 23, 2011	JCP 23, 2011	0.449752

1A22 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.436133
Oct 25, 2011	Nov 23, 2011	0.422514
Nov 25, 2011	Dec 23, 2011	0.408895
Dec 27, 2011	Jan 24, 2012	0.395276
Jan 25, 2012	Feb 24, 2012	0.387796
Feb 27, 2012	Mar 23, 2012	0.383171
Mar 26, 2012	Apr 24, 2012	0.380671
Apr 25, 2012	May 24, 2012	0.374693
May 25, 2012	Jun 22, 2012	0.367626
Jun 25, 2012	Jul 24, 2012	0.363790
Jul 25, 2012	Aug 24, 2012	0.357917
Aug 27, 2012	Sep 24, 2012	0.352436
Sep 25, 2012	Oct 24, 2012	0.346745
Oct 25, 2012	Nov 23, 2012	0.339114
Nov 26, 2012	Dec 24, 2012	0.335287
Dec 26, 2012	Jan 24, 2013	0.331966
Jan 25, 2013	Feb 22, 2013	0.326383
Feb 25, 2013	Mar 22, 2013	0.319214
Mar 25, 2013	Apr 24, 2013	0.314697
Apr 25, 2013	May 24, 2013	0.309073
May 28, 2013	Jun 24, 2013	0.300513
Jun 25, 2013	Jul 24, 2013	0.295004
Jul 25, 2013	Aug 23, 2013	0.286673
Aug 26, 2013	Sep 24, 2013	0.277207
Sep 25, 2013	Oct 24, 2013	0.270345
Oct 25, 2013	Nov 22, 2013	0.266138
Nov 25, 2013	Dec 24, 2013	0.261670
Dec 26, 2013	Jan 24, 2014	0.256754
Jan 27, 2014	Feb 24, 2014	0.252800
Feb 25, 2014	Mar 24, 2014	0.248725
Mar 25, 2014	Apr 24, 2014	0.245893
Apr 25, 2014	May 23, 2014	0.240900
May 27, 2014	Jun 24, 2014	0.235756
Jun 25, 2014	Jul 24, 2014	0.231763
Jul 25, 2014	Aug 22, 2014	0.227276
Aug 25, 2014	Sep 24, 2014	0.223948
Sep 25, 2014	Oct 24, 2014	0.219493
Oct 27, 2014	Nov 24, 2014	0.217558
Nov 25, 2014	Dec 24, 2014	0.212778
Dec 26, 2014	Jan 23, 2015	0.208833
Jan 26, 2015	Feb 24, 2015	0.204901
Feb 25, 2015	Mar 24, 2015	0.201131
Mar 25, 2015	Apr 24, 2015	0.199756
Apr 27, 2015 May 26, 2015	May 22, 2015 Jun 24, 2015	0.196479
Jun 25, 2015	Juli 24, 2013	0.192682
Juli 23, 2013		0.190648

1A23 Certificate Factor Chart

From	То	<u>Factor</u>
<u> </u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010 Oct 25, 2010	Oct 22, 2010 Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	0.988112

1A23 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.976225
Oct 25, 2011	Nov 23, 2011	0.964337
Nov 25, 2011	Dec 23, 2011	0.952449
Dec 27, 2011	Jan 24, 2012	0.940562
Jan 25, 2012	Feb 24, 2012	0.922761
Feb 27, 2012	Mar 23, 2012	0.911757
Mar 26, 2012	Apr 24, 2012	0.905808
Apr 25, 2012	May 24, 2012	0.891583
May 25, 2012	Jun 22, 2012	0.874767
Jun 25, 2012	Jul 24, 2012	0.865639
Jul 25, 2012	Aug 24, 2012	0.851664
Aug 27, 2012	Sep 24, 2012	0.838624
Sep 25, 2012	Oct 24, 2012	0.825082
Oct 25, 2012	Nov 23, 2012	0.806923
Nov 26, 2012	Dec 24, 2012	0.797816
Dec 26, 2012	Jan 24, 2013	0.789915
Jan 25, 2013	Feb 22, 2013	0.776630
Feb 25, 2013	Mar 22, 2013	0.759570
Mar 25, 2013	Apr 24, 2013	0.748822
Apr 25, 2013	May 24, 2013	0.735441
May 28, 2013	Jun 24, 2013	0.715072
Jun 25, 2013	Jul 24, 2013	0.701962
Jul 25, 2013	Aug 23, 2013	0.682139
Aug 26, 2013	Sep 24, 2013	0.659615
Sep 25, 2013	Oct 24, 2013	0.643287
Oct 25, 2013	Nov 22, 2013	0.633276
Nov 25, 2013	Dec 24, 2013	0.622644
Dec 26, 2013	Jan 24, 2014	0.610947
Jan 27, 2014	Feb 24, 2014	0.601538
Feb 25, 2014	Mar 24, 2014	0.591842
Mar 25, 2014	Apr 24, 2014	0.585105
Apr 25, 2014	May 23, 2014	0.573223
May 27, 2014	Jun 24, 2014	0.560982
Jun 25, 2014	Jul 24, 2014	0.551482
Jul 25, 2014	Aug 22, 2014	0.540804
Aug 25, 2014	Sep 24, 2014	0.532886
Sep 25, 2014	Oct 24, 2014	0.522285
Oct 27, 2014	Nov 24, 2014	0.517681
Nov 25, 2014	Dec 24, 2014	0.506307
Dec 26, 2014	Jan 23, 2015	0.496919
Jan 26, 2015	Feb 24, 2015	0.487564
Feb 25, 2015	Mar 24, 2015	0.478593
Mar 25, 2015	Apr 24, 2015	0.475319
Apr 27, 2015	May 22, 2015	0.467522
May 26, 2015	Jun 24, 2015	0.458488
Jun 25, 2015		0.453647

1A24 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.993496
Sep 25, 2007	Oct 24, 2007	0.980098
Oct 25, 2007	Nov 23, 2007	0.972100
Nov 26, 2007	Dec 24, 2007	0.967518
Dec 26, 2007	Jan 24, 2008	0.958037
Jan 25, 2008	Feb 22, 2008	0.946424
Feb 25, 2008	Mar 24, 2008	0.933759
Mar 25, 2008	Apr 24, 2008	0.922492
Apr 25, 2008	May 23, 2008	0.916451
May 27, 2008	Jun 24, 2008	0.909349
Jun 25, 2008	Jul 24, 2008	0.903290
Jul 25, 2008	Aug 22, 2008	0.893732
Aug 25, 2008	Sep 24, 2008	0.891858
Sep 25, 2008	Oct 24, 2008	0.889359
Oct 27, 2008	Nov 24, 2008	0.889348
Nov 25, 2008	Dec 24, 2008	0.879968
Dec 26, 2008	Jan 23, 2009	0.879957
Jan 26, 2009	Feb 24, 2009	0.876029
Feb 25, 2009	Mar 24, 2009	0.865727
Mar 25, 2009	Apr 24, 2009	0.843218
Apr 27, 2009	May 22, 2009	0.827879
May 26, 2009	Jun 24, 2009	0.798966
Jun 25, 2009	Jul 24, 2009	0.773263
Jul 27, 2009	Aug 24, 2009	0.751256
Aug 25, 2009	Sep 24, 2009	0.725085
Sep 25, 2009	Oct 23, 2009	0.718042
Oct 26, 2009	Nov 24, 2009	0.704304
Nov 25, 2009	Dec 24, 2009	0.695289
Dec 28, 2009	Jan 22, 2010	0.682262
Jan 25, 2010	Feb 24, 2010	0.665201
Feb 25, 2010	Mar 24, 2010	0.641690
Mar 25, 2010	Apr 23, 2010	0.635793
Apr 26, 2010	May 24, 2010	0.622648
May 25, 2010	Jun 24, 2010	0.613277
Jun 25, 2010	Jul 23, 2010	0.606080
Jul 26, 2010	Aug 24, 2010	0.588608
Aug 25, 2010	Sep 24, 2010	0.565121
Sep 27, 2010	Oct 22, 2010	0.545516
Oct 25, 2010	Nov 24, 2010	0.519757
Nov 26, 2010	Dec 23, 2010	0.493086
Dec 27, 2010	Jan 24, 2011	0.467304
Jan 25, 2011	Feb 24, 2011	0.438681
Feb 25, 2011	Mar 24, 2011	0.421055
Mar 25, 2011	Apr 22, 2011	0.408954
Apr 25, 2011	May 24, 2011	0.390525
May 25, 2011	Jun 24, 2011	0.384857
Jun 27, 2011	Jul 22, 2011	0.374332
Jul 25, 2011	Aug 24, 2011 Sep 23, 2011	0.363473
Aug 25, 2011	3ep 23, 2011	0.357490

1A24 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.343969
Oct 25, 2011	Nov 23, 2011	0.337063
Nov 25, 2011	Dec 23, 2011	0.334386
Dec 27, 2011	Jan 24, 2012	0.330888
Jan 25, 2012	Feb 24, 2012	0.324626
Feb 27, 2012	Mar 23, 2012	0.320755
Mar 26, 2012	Apr 24, 2012	0.318662
Apr 25, 2012	May 24, 2012	0.313658
May 25, 2012	Jun 22, 2012	0.307742
Jun 25, 2012	Jul 24, 2012	0.304531
Jul 25, 2012	Aug 24, 2012	0.299614
Aug 27, 2012	Sep 24, 2012	0.295027
Sep 25, 2012	Oct 24, 2012	0.290263
Oct 25, 2012	Nov 23, 2012	0.283874
Nov 26, 2012	Dec 24, 2012	0.280671
Dec 26, 2012	Jan 24, 2013	0.277891
Jan 25, 2013	Feb 22, 2013	0.273217
Feb 25, 2013	Mar 22, 2013	0.267216
Mar 25, 2013	Apr 24, 2013	0.263435
Apr 25, 2013	May 24, 2013	0.258727
May 28, 2013	Jun 24, 2013	0.251561
Jun 25, 2013	Jul 24, 2013	0.246949
Jul 25, 2013	Aug 23, 2013	0.239976
Aug 26, 2013	Sep 24, 2013	0.232052
Sep 25, 2013	Oct 24, 2013	0.226307
Oct 25, 2013	Nov 22, 2013	0.222786
Nov 25, 2013	Dec 24, 2013	0.219045
Dec 26, 2013	Jan 24, 2014	0.214930
Jan 27, 2014	Feb 24, 2014	0.211620
Feb 25, 2014	Mar 24, 2014	0.208209
Mar 25, 2014	Apr 24, 2014	0.205839
Apr 25, 2014	May 23, 2014	0.201659
May 27, 2014	Jun 24, 2014	0.197353
Jun 25, 2014	Jul 24, 2014	0.194011
Jul 25, 2014	Aug 22, 2014	0.190254
Aug 25, 2014	Sep 24, 2014	0.187468
Sep 25, 2014	Oct 24, 2014	0.183739
Oct 27, 2014	Nov 24, 2014	0.182119
Nov 25, 2014	Dec 24, 2014	0.178118
Dec 26, 2014	Jan 23, 2015	0.174815
Jan 26, 2015 Feb 25, 2015	Feb 24, 2015 Mar 24, 2015	0.171524
Mar 25, 2015	Apr 24, 2015	0.168368
Apr 27, 2015	May 22, 2015	0.167217
May 26, 2015	Jun 24, 2015	0.164474
Jun 25, 2015	Juli 27, 2013	0.161296
Jun 23, 2013		0.159592

1A25 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.005000
Sep 25, 2007	Oct 24, 2007	1.010025
Oct 25, 2007	Nov 23, 2007	1.015075
Nov 26, 2007	Dec 24, 2007	1.020151
Dec 26, 2007	Jan 24, 2008	1.025251
Jan 25, 2008	Feb 22, 2008	1.030378
Feb 25, 2008	Mar 24, 2008	1.035529
Mar 25, 2008	Apr 24, 2008	1.040707
Apr 25, 2008	May 23, 2008	1.045911
May 27, 2008	Jun 24, 2008	1.051140
Jun 25, 2008	Jul 24, 2008	1.056396
Jul 25, 2008	Aug 22, 2008	1.061678
Aug 25, 2008	Sep 24, 2008	1.066986
Sep 25, 2008	Oct 24, 2008	1.072321
Oct 27, 2008	Nov 24, 2008	1.077683
Nov 25, 2008	Dec 24, 2008	1.083071
Dec 26, 2008	Jan 23, 2009	1.088487
Jan 26, 2009	Feb 24, 2009	1.093929
Feb 25, 2009	Mar 24, 2009	1.099399
Mar 25, 2009	Apr 24, 2009	1.104896
Apr 27, 2009	May 22, 2009	1.110420
May 26, 2009	Jun 24, 2009	1.115972
Jun 25, 2009	Jul 24, 2009	1.121552
Jul 27, 2009	Aug 24, 2009	1.127160
Aug 25, 2009	Sep 24, 2009	1.132796
Sep 25, 2009	Oct 23, 2009	1.138460
Oct 26, 2009	Nov 24, 2009	1.144152
Nov 25, 2009	Dec 24, 2009	1.149873
Dec 28, 2009	Jan 22, 2010	1.155618
Jan 25, 2010	Feb 24, 2010	1.161396
Feb 25, 2010	Mar 24, 2010	1.167203
Mar 25, 2010	Apr 23, 2010	1.173038
Apr 26, 2010	May 24, 2010	1.178904
May 25, 2010	Jun 24, 2010	1.184797
Jun 25, 2010	Jul 23, 2010	1.190721
Jul 26, 2010	Aug 24, 2010	1.196674
Aug 25, 2010	Sep 24, 2010	1.202657
Sep 27, 2010	Oct 22, 2010	1.208670
Oct 25, 2010	Nov 24, 2010	1.214713
Nov 26, 2010	Dec 23, 2010	1.220786
Dec 27, 2010	Jan 24, 2011	1.226890
Jan 25, 2011	Feb 24, 2011	1.233024
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011	1.239189
Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.245382
May 25, 2011	Jun 24, 2011	1.251609
Jun 27, 2011	Jul 22, 2011	1.257867
Jul 25, 2011	Aug 24, 2011	1.264156
Aug 25, 2011	Sep 23, 2011	1.270476
, 105 23, 2011	JCP 23, 2011	1.276828

1A25 Certificate Factor Chart

Fram	To	Fastor
From Sep 26, 2011	<u>To</u> Oct 24, 2011	<u>Factor</u> 1.283212
Oct 25, 2011	Nov 23, 2011	1.289628
Nov 25, 2011	Dec 23, 2011	1.296076
Dec 27, 2011	Jan 24, 2012	1.302556
Jan 25, 2012	Feb 24, 2012	1.277905
Feb 27, 2012	Mar 23, 2012	1.262665
Mar 26, 2012	Apr 24, 2012	1.254426
Apr 25, 2012	May 24, 2012	1.234727
May 25, 2012	Jun 22, 2012	1.211439
Jun 25, 2012	Jul 24, 2012	1.198798
Jul 25, 2012	Aug 24, 2012	1.179445
Aug 27, 2012	Sep 24, 2012	1.161386
Sep 25, 2012	Oct 24, 2012	1.142632
Oct 25, 2012	Nov 23, 2012	1.117485
Nov 26, 2012	Dec 24, 2012	1.104872
Dec 26, 2012	Jan 24, 2013	1.093931
Jan 25, 2013	Feb 22, 2013	1.075532
Feb 25, 2013	Mar 22, 2013	1.051907
Mar 25, 2013	Apr 24, 2013	1.037022
Apr 25, 2013	May 24, 2013	1.018490
May 28, 2013	Jun 24, 2013	0.990282
Jun 25, 2013	Jul 24, 2013	0.972127
Jul 25, 2013	Aug 23, 2013	0.944675
Aug 26, 2013	Sep 24, 2013	0.913482
Sep 25, 2013	Oct 24, 2013	0.890869
Oct 25, 2013	Nov 22, 2013	0.877006
Nov 25, 2013	Dec 24, 2013	0.862282
Dec 26, 2013	Jan 24, 2014	0.846083
Jan 27, 2014	Feb 24, 2014	0.833053
Feb 25, 2014	Mar 24, 2014	0.819625
Mar 25, 2014	Apr 24, 2014	0.810294
Apr 25, 2014	May 23, 2014	0.793840
May 27, 2014	Jun 24, 2014	0.776887
Jun 25, 2014	Jul 24, 2014	0.763731
Jul 25, 2014	Aug 22, 2014	0.748943
Aug 25, 2014	Sep 24, 2014	0.737978
Sep 25, 2014 Oct 27, 2014	Oct 24, 2014 Nov 24, 2014	0.723297
Nov 25, 2014	Dec 24, 2014	0.716921
Dec 26, 2014	Jan 23, 2015	0.701169
Jan 26, 2015	Feb 24, 2015	0.688168
Feb 25, 2015	Mar 24, 2015	0.675213
Mar 25, 2015	Apr 24, 2015	0.662789
Apr 27, 2015	May 22, 2015	0.658256
May 26, 2015	Jun 24, 2015	0.647458
Jun 25, 2015	,	0.634947
		0.628243

1A26 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A26 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.824016
Feb 25, 2013	Mar 22, 2013	0.806353
Mar 25, 2013	Apr 24, 2013	0.794954
Apr 25, 2013	May 24, 2013	0.780773
May 28, 2013	Jun 24, 2013	0.759152
Jun 25, 2013	Jul 24, 2013	0.745235
Jul 25, 2013	Aug 23, 2013	0.724211
Aug 26, 2013	Sep 24, 2013	0.700298
Sep 25, 2013	Oct 24, 2013	0.682963
Oct 25, 2013	Nov 22, 2013	0.672336
Nov 25, 2013	Dec 24, 2013	0.661067
Dec 26, 2013	Jan 24, 2014	0.648648
Jan 27, 2014	Feb 24, 2014	0.638660
Feb 25, 2014	Mar 24, 2014	0.628372
Mar 25, 2014	Apr 24, 2014	0.621219
Apr 25, 2014	May 23, 2014	0.608604
May 27, 2014	Jun 24, 2014	0.595609
Jun 25, 2014	Jul 24, 2014	0.585523
Jul 25, 2014	Aug 22, 2014	0.574190
Aug 25, 2014	Sep 24, 2014	0.565784
Sep 25, 2014	Oct 24, 2014	0.554529
Oct 27, 2014	Nov 24, 2014	0.549641
Nov 25, 2014	Dec 24, 2014	0.537565
Dec 26, 2014	Jan 23, 2015	0.527598
Jan 26, 2015	Feb 24, 2015	0.517665
Feb 25, 2015	Mar 24, 2015	0.508140
Mar 25, 2015	Apr 24, 2015	0.504665
Apr 27, 2015	May 22, 2015	0.496389
May 26, 2015	Jun 24, 2015	0.486798
Jun 25, 2015		0.481660

1A27 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A27 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.824016
Feb 25, 2013	Mar 22, 2013	0.806353
Mar 25, 2013	Apr 24, 2013	0.794954
Apr 25, 2013	May 24, 2013	0.780773
May 28, 2013	Jun 24, 2013	0.759152
Jun 25, 2013	Jul 24, 2013	0.745235
Jul 25, 2013	Aug 23, 2013	0.724211
Aug 26, 2013	Sep 24, 2013	0.700298
Sep 25, 2013	Oct 24, 2013	0.682963
Oct 25, 2013	Nov 22, 2013	0.672336
Nov 25, 2013	Dec 24, 2013	0.661067
Dec 26, 2013	Jan 24, 2014	0.648648
Jan 27, 2014	Feb 24, 2014	0.638660
Feb 25, 2014	Mar 24, 2014	0.628372
Mar 25, 2014	Apr 24, 2014	0.621219
Apr 25, 2014	May 23, 2014	0.608604
May 27, 2014	Jun 24, 2014	0.595609
Jun 25, 2014	Jul 24, 2014	0.585523
Jul 25, 2014	Aug 22, 2014	0.574190
Aug 25, 2014	Sep 24, 2014	0.565784
Sep 25, 2014	Oct 24, 2014	0.554529
Oct 27, 2014	Nov 24, 2014	0.549641
Nov 25, 2014	Dec 24, 2014	0.537565
Dec 26, 2014	Jan 23, 2015	0.527598
Jan 26, 2015	Feb 24, 2015	0.517665
Feb 25, 2015	Mar 24, 2015	0.508140
Mar 25, 2015	Apr 24, 2015	0.504665
Apr 27, 2015	May 22, 2015	0.496389
May 26, 2015	Jun 24, 2015	0.486798
Jun 25, 2015		0.481660

1A28 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.689750
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.682508
Apr 25, 2011	May 24, 2011	0.674716
May 25, 2011	Jun 24, 2011	0.667134
Jun 27, 2011	Jul 22, 2011	0.662305
Jul 25, 2011	Aug 24, 2011	0.655648
Aug 25, 2011	Sep 23, 2011	0.645537
	30p 23, 2011	0.638723

1A28 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.561608
Sep 25, 2012	Oct 24, 2012	0.545817
Oct 25, 2012	Nov 23, 2012	0.537243
Nov 26, 2012	Dec 24, 2012	0.530072
Dec 26, 2012	Jan 24, 2013	0.523430
Jan 25, 2013	Feb 22, 2013	0.517850
Feb 25, 2013	Mar 22, 2013	0.509584
Mar 25, 2013	Apr 24, 2013	0.503516
Apr 25, 2013	May 24, 2013	0.494859
May 28, 2013	Jun 24, 2013	0.486996
Jun 25, 2013	Jul 24, 2013	0.481235
Jul 25, 2013	Aug 23, 2013	0.473260
Aug 26, 2013	Sep 24, 2013	0.464594
Sep 25, 2013	Oct 24, 2013	0.460416
Oct 25, 2013	Nov 22, 2013	0.453764
Nov 25, 2013	Dec 24, 2013	0.446512
Dec 26, 2013	Jan 24, 2014	0.441708
Jan 27, 2014	Feb 24, 2014	0.437745
Feb 25, 2014	Mar 24, 2014	0.434419
Mar 25, 2014	Apr 24, 2014	0.432824
Apr 25, 2014	May 23, 2014	0.427932
May 27, 2014	Jun 24, 2014	0.421709
Jun 25, 2014	Jul 24, 2014	0.414522
Jul 25, 2014	Aug 22, 2014	0.409786
Aug 25, 2014	Sep 24, 2014	0.406655
Sep 25, 2014	Oct 24, 2014	0.397313
Oct 27, 2014	Nov 24, 2014	0.395248
Nov 25, 2014	Dec 24, 2014	0.388185
Dec 26, 2014	Jan 23, 2015	0.382682
Jan 26, 2015	Feb 24, 2015	0.379013
Feb 25, 2015	Mar 24, 2015	0.375280
Mar 25, 2015	Apr 24, 2015	0.373272
Apr 27, 2015	May 22, 2015	0.367999
May 26, 2015	Jun 24, 2015	0.362122
Jun 25, 2015		0.360502

1A29 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.689750
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.682508
Apr 25, 2011	May 24, 2011	0.674716
May 25, 2011	Jun 24, 2011	0.667134
Jun 27, 2011	Jul 22, 2011	0.662305
Jul 25, 2011	Aug 24, 2011	0.655648
Aug 25, 2011	Sep 23, 2011	0.645537
	30p 23, 2011	0.638723

1A29 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.561608
Sep 25, 2012	Oct 24, 2012	0.545788
Oct 25, 2012	Nov 23, 2012	0.537180
Nov 26, 2012	Dec 24, 2012	0.529983
Dec 26, 2012	Jan 24, 2013	0.523099
Jan 25, 2013	Feb 22, 2013	0.517521
Feb 25, 2013	Mar 22, 2013	0.503049
Mar 25, 2013	Apr 24, 2013	0.496943
Apr 25, 2013	May 24, 2013	0.487796
May 28, 2013	Jun 24, 2013	0.479936
Jun 25, 2013	Jul 24, 2013	0.474192
Jul 25, 2013	Aug 23, 2013	0.466185
Aug 26, 2013	Sep 24, 2013	0.455696
Sep 25, 2013	Oct 24, 2013	0.460416
Oct 25, 2013	Nov 22, 2013	0.453764
Nov 25, 2013	Dec 24, 2013	0.446512
Dec 26, 2013	Jan 24, 2014	0.441708
Jan 27, 2014	Feb 24, 2014	0.437745
Feb 25, 2014	Mar 24, 2014	0.434419
Mar 25, 2014	Apr 24, 2014	0.432824
Apr 25, 2014	May 23, 2014	0.427932
May 27, 2014	Jun 24, 2014	0.421709
Jun 25, 2014	Jul 24, 2014	0.414522
Jul 25, 2014	Aug 22, 2014	0.409786
Aug 25, 2014	Sep 24, 2014	0.406655
Sep 25, 2014	Oct 24, 2014	0.397313
Oct 27, 2014	Nov 24, 2014	0.395248
Nov 25, 2014	Dec 24, 2014	0.388185
Dec 26, 2014	Jan 23, 2015	0.382682
Jan 26, 2015	Feb 24, 2015	0.379013
Feb 25, 2015	Mar 24, 2015	0.375280
Mar 25, 2015	Apr 24, 2015	0.373272
Apr 27, 2015	May 22, 2015	0.367999
May 26, 2015	Jun 24, 2015	0.362122
Jun 25, 2015		0.360502

1A30 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995325
Sep 25, 2007	Oct 24, 2007	0.985689
Oct 25, 2007	Nov 23, 2007	0.979939
Nov 26, 2007	Dec 24, 2007	0.976648
Dec 26, 2007	Jan 24, 2008	0.969831
Jan 25, 2008	Feb 22, 2008	0.961479
Feb 25, 2008	Mar 24, 2008	0.952370
Mar 25, 2008	Apr 24, 2008	0.944267
Apr 25, 2008	May 23, 2008	0.933052
May 27, 2008	Jun 24, 2008	0.921072
Jun 25, 2008	Jul 24, 2008	0.909843
Jul 25, 2008	Aug 22, 2008	0.896096
Aug 25, 2008	Sep 24, 2008	0.887880
Sep 25, 2008	Oct 24, 2008	0.879214
Oct 27, 2008	Nov 24, 2008	0.875856
Nov 25, 2008	Dec 24, 2008	0.862236
Dec 26, 2008	Jan 23, 2009	0.855946
Jan 26, 2009	Feb 24, 2009	0.846252
Feb 25, 2009	Mar 24, 2009	0.831970
Mar 25, 2009	Apr 24, 2009	0.808901
Apr 27, 2009	May 22, 2009	0.790993
May 26, 2009	Jun 24, 2009	0.763315
Jun 25, 2009	Jul 24, 2009	0.737947
Jul 27, 2009	Aug 24, 2009	0.715240
Aug 25, 2009	Sep 24, 2009	0.689535
Sep 25, 2009	Oct 23, 2009	0.677599
Oct 26, 2009	Nov 24, 2009	0.660844
Nov 25, 2009	Dec 24, 2009	0.647488
Dec 28, 2009	Jan 22, 2010	0.631245
Jan 25, 2010	Feb 24, 2010	0.612098
Feb 25, 2010	Mar 24, 2010	0.588308
Mar 25, 2010	Apr 23, 2010	0.577197
Apr 26, 2010	May 24, 2010	0.560869
May 25, 2010	Jun 24, 2010	0.547257
Jun 25, 2010	Jul 23, 2010	0.535210
Jul 26, 2010	Aug 24, 2010	0.515767
Aug 25, 2010	Sep 24, 2010	0.491995
Sep 27, 2010	Oct 22, 2010	0.471018
Oct 25, 2010	Nov 24, 2010	0.445610
Nov 26, 2010	Dec 23, 2010	0.419547
Dec 27, 2010	Jan 24, 2011	0.394123
Jan 25, 2011	Feb 24, 2011	0.366655
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.347101
Apr 25, 2011	May 24, 2011	0.331525
May 25, 2011	Jun 24, 2011	0.311394
Jun 27, 2011	Jul 22, 2011	0.300448
Jul 25, 2011	Aug 24, 2011	0.286006
Aug 25, 2011	Sep 23, 2011	0.271324
, IUE 23, 2011	JCP 23, 2011	0.257580

1A30 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.238410
Oct 25, 2011	Nov 23, 2011	0.224001
Nov 25, 2011	Dec 23, 2011	0.212637
Dec 27, 2011	Jan 24, 2012	0.200681
Jan 25, 2012	Feb 24, 2012	0.196884
Feb 27, 2012	Mar 23, 2012	0.194536
Mar 26, 2012	Apr 24, 2012	0.193266
Apr 25, 2012	May 24, 2012	0.190231
May 25, 2012	Jun 22, 2012	0.186643
Jun 25, 2012	Jul 24, 2012	0.184696
Jul 25, 2012	Aug 24, 2012	0.181714
Aug 27, 2012	Sep 24, 2012	0.178932
Sep 25, 2012	Oct 24, 2012	0.176042
Oct 25, 2012	Nov 23, 2012	0.172168
Nov 26, 2012	Dec 24, 2012	0.170225
Dec 26, 2012	Jan 24, 2013	0.168539
Jan 25, 2013	Feb 22, 2013	0.165365
Feb 25, 2013	Mar 22, 2013	0.161820
Mar 25, 2013	Apr 24, 2013	0.159533
Apr 25, 2013	May 24, 2013	0.156687
May 28, 2013	Jun 24, 2013	0.152348
Jun 25, 2013	Jul 24, 2013	0.149555
Jul 25, 2013	Aug 23, 2013	0.145336
Aug 26, 2013	Sep 24, 2013	0.140537
Sep 25, 2013	Oct 24, 2013	0.137058
Oct 25, 2013	Nov 22, 2013	0.134925
Nov 25, 2013	Dec 24, 2013	0.132664
Dec 26, 2013	Jan 24, 2014	0.130172
Jan 27, 2014	Feb 24, 2014	0.128167
Feb 25, 2014	Mar 24, 2014	0.126103
Mar 25, 2014	Apr 24, 2014	0.124667
Apr 25, 2014	May 23, 2014	0.122136
May 27, 2014	Jun 24, 2014	0.119528
Jun 25, 2014	Jul 24, 2014	0.117504
Jul 25, 2014	Aug 22, 2014	0.115229
Aug 25, 2014	Sep 24, 2014	0.113542
Sep 25, 2014	Oct 24, 2014	0.111284
Oct 27, 2014	Nov 24, 2014	0.110303
Nov 25, 2014	Dec 24, 2014	0.107879
Dec 26, 2014	Jan 23, 2015	0.105879
Jan 26, 2015	Feb 24, 2015	0.103886
Feb 25, 2015	Mar 24, 2015	0.101974
Mar 25, 2015	Apr 24, 2015	0.101277
Apr 27, 2015	May 22, 2015	0.099616
May 26, 2015	Jun 24, 2015	0.097691
Jun 25, 2015		0.096660

1A31 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008		1.000000
	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A31 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.824016
Feb 25, 2013	Mar 22, 2013	0.806353
Mar 25, 2013	Apr 24, 2013	0.794954
Apr 25, 2013	May 24, 2013	0.780773
May 28, 2013	Jun 24, 2013	0.759152
Jun 25, 2013	Jul 24, 2013	0.745235
Jul 25, 2013	Aug 23, 2013	0.724211
Aug 26, 2013	Sep 24, 2013	0.700298
Sep 25, 2013	Oct 24, 2013	0.682963
Oct 25, 2013	Nov 22, 2013	0.672336
Nov 25, 2013	Dec 24, 2013	0.661067
Dec 26, 2013	Jan 24, 2014	0.648648
Jan 27, 2014	Feb 24, 2014	0.638660
Feb 25, 2014	Mar 24, 2014	0.628372
Mar 25, 2014	Apr 24, 2014	0.621219
Apr 25, 2014	May 23, 2014	0.608604
May 27, 2014	Jun 24, 2014	0.595609
Jun 25, 2014	Jul 24, 2014	0.585523
Jul 25, 2014	Aug 22, 2014	0.574190
Aug 25, 2014	Sep 24, 2014	0.565784
Sep 25, 2014	Oct 24, 2014	0.554529
Oct 27, 2014	Nov 24, 2014	0.549641
Nov 25, 2014	Dec 24, 2014	0.537565
Dec 26, 2014	Jan 23, 2015	0.527598
Jan 26, 2015	Feb 24, 2015	0.517665
Feb 25, 2015	Mar 24, 2015	0.508140
Mar 25, 2015	Apr 24, 2015	0.504665
Apr 27, 2015	May 22, 2015	0.496389
May 26, 2015	Jun 24, 2015	0.486798
Jun 25, 2015		0.481660

1A32 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A32 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.824016
Feb 25, 2013	Mar 22, 2013	0.806353
Mar 25, 2013	Apr 24, 2013	0.794954
Apr 25, 2013	May 24, 2013	0.780773
May 28, 2013	Jun 24, 2013	0.759152
Jun 25, 2013	Jul 24, 2013	0.745235
Jul 25, 2013	Aug 23, 2013	0.724211
Aug 26, 2013	Sep 24, 2013	0.700298
Sep 25, 2013	Oct 24, 2013	0.682963
Oct 25, 2013	Nov 22, 2013	0.672336
Nov 25, 2013	Dec 24, 2013	0.661067
Dec 26, 2013	Jan 24, 2014	0.648648
Jan 27, 2014	Feb 24, 2014	0.638660
Feb 25, 2014	Mar 24, 2014	0.628372
Mar 25, 2014	Apr 24, 2014	0.621219
Apr 25, 2014	May 23, 2014	0.608604
May 27, 2014	Jun 24, 2014	0.595609
Jun 25, 2014	Jul 24, 2014	0.585523
Jul 25, 2014	Aug 22, 2014	0.574190
Aug 25, 2014	Sep 24, 2014	0.565784
Sep 25, 2014	Oct 24, 2014	0.554529
Oct 27, 2014	Nov 24, 2014	0.549641
Nov 25, 2014	Dec 24, 2014	0.537565
Dec 26, 2014	Jan 23, 2015	0.527598
Jan 26, 2015	Feb 24, 2015	0.517665
Feb 25, 2015	Mar 24, 2015	0.508140
Mar 25, 2015	Apr 24, 2015	0.504665
Apr 27, 2015	May 22, 2015	0.496389
May 26, 2015	Jun 24, 2015	0.486798
Jun 25, 2015		0.481660

1A33 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A33 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.824016
Feb 25, 2013	Mar 22, 2013	0.806353
Mar 25, 2013	Apr 24, 2013	0.794954
Apr 25, 2013	May 24, 2013	0.780773
May 28, 2013	Jun 24, 2013	0.759152
Jun 25, 2013	Jul 24, 2013	0.745235
Jul 25, 2013	Aug 23, 2013	0.724211
Aug 26, 2013	Sep 24, 2013	0.700298
Sep 25, 2013	Oct 24, 2013	0.682963
Oct 25, 2013	Nov 22, 2013	0.672336
Nov 25, 2013	Dec 24, 2013	0.661067
Dec 26, 2013	Jan 24, 2014	0.648648
Jan 27, 2014	Feb 24, 2014	0.638660
Feb 25, 2014	Mar 24, 2014	0.628372
Mar 25, 2014	Apr 24, 2014	0.621219
Apr 25, 2014	May 23, 2014	0.608604
May 27, 2014	Jun 24, 2014	0.595609
Jun 25, 2014	Jul 24, 2014	0.585523
Jul 25, 2014	Aug 22, 2014	0.574190
Aug 25, 2014	Sep 24, 2014	0.565784
Sep 25, 2014	Oct 24, 2014	0.554529
Oct 27, 2014	Nov 24, 2014	0.549641
Nov 25, 2014	Dec 24, 2014	0.537565
Dec 26, 2014	Jan 23, 2015	0.527598
Jan 26, 2015	Feb 24, 2015	0.517665
Feb 25, 2015	Mar 24, 2015	0.508140
Mar 25, 2015	Apr 24, 2015	0.504665
Apr 27, 2015	May 22, 2015	0.496389
May 26, 2015	Jun 24, 2015	0.486798
Jun 25, 2015		0.481660

1A34 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A34 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.824016
Feb 25, 2013	Mar 22, 2013	0.806353
Mar 25, 2013	Apr 24, 2013	0.794954
Apr 25, 2013	May 24, 2013	0.780773
May 28, 2013	Jun 24, 2013	0.759152
Jun 25, 2013	Jul 24, 2013	0.745235
Jul 25, 2013	Aug 23, 2013	0.724211
Aug 26, 2013	Sep 24, 2013	0.700298
Sep 25, 2013	Oct 24, 2013	0.682963
Oct 25, 2013	Nov 22, 2013	0.672336
Nov 25, 2013	Dec 24, 2013	0.661067
Dec 26, 2013	Jan 24, 2014	0.648648
Jan 27, 2014	Feb 24, 2014	0.638660
Feb 25, 2014	Mar 24, 2014	0.628372
Mar 25, 2014	Apr 24, 2014	0.621219
Apr 25, 2014	May 23, 2014	0.608604
May 27, 2014	Jun 24, 2014	0.595609
Jun 25, 2014	Jul 24, 2014	0.585523
Jul 25, 2014	Aug 22, 2014	0.574190
Aug 25, 2014	Sep 24, 2014	0.565784
Sep 25, 2014	Oct 24, 2014	0.554529
Oct 27, 2014	Nov 24, 2014	0.549641
Nov 25, 2014	Dec 24, 2014	0.537565
Dec 26, 2014	Jan 23, 2015	0.527598
Jan 26, 2015	Feb 24, 2015	0.517665
Feb 25, 2015	Mar 24, 2015	0.508140
Mar 25, 2015	Apr 24, 2015	0.504665
Apr 27, 2015	May 22, 2015	0.496389
May 26, 2015	Jun 24, 2015	0.486798
Jun 25, 2015		0.481660

1A35 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	0.931829
Nov 25, 2008	Dec 24, 2008	0.924350
Dec 26, 2008	Jan 23, 2009	0.920896
Jan 26, 2009	Feb 24, 2009	0.915573
Feb 25, 2009	Mar 24, 2009	0.907730
Mar 25, 2009	Apr 24, 2009	0.895062
Apr 27, 2009	May 22, 2009	0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010 Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	0.667296
Feb 25, 2011	Mar 24, 2011	0.652213
Mar 25, 2011	Apr 22, 2011	0.641475
Apr 25, 2011	May 24, 2011	0.632922
May 25, 2011	Jun 24, 2011	0.621867
Jun 27, 2011	Jul 22, 2011	0.615857
Jul 25, 2011	Aug 24, 2011	0.607926
Aug 25, 2011	Sep 23, 2011	0.599864
	1: -/	0.352517

1A35 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.543889
Mar 26, 2012	Apr 24, 2012	0.540340
Apr 25, 2012	May 24, 2012	0.531855
May 25, 2012	Jun 22, 2012	0.521824
Jun 25, 2012	Jul 24, 2012	0.516379
Jul 25, 2012	Aug 24, 2012	0.508042
Aug 27, 2012	Sep 24, 2012	0.500263
Sep 25, 2012	Oct 24, 2012	0.492185
Oct 25, 2012	Nov 23, 2012	0.481353
Nov 26, 2012	Dec 24, 2012	0.475920
Dec 26, 2012	Jan 24, 2013	0.471207
Jan 25, 2013	Feb 22, 2013	0.463293
Feb 25, 2013	Mar 22, 2013	0.453113
Mar 25, 2013	Apr 24, 2013	0.446701
Apr 25, 2013	May 24, 2013	0.438719
May 28, 2013	Jun 24, 2013	0.426568
Jun 25, 2013	Jul 24, 2013	0.418748
Jul 25, 2013	Aug 23, 2013	0.406922
Aug 26, 2013	Sep 24, 2013	0.393486
Sep 25, 2013	Oct 24, 2013	0.383745
Oct 25, 2013	Nov 22, 2013	0.377774
Nov 25, 2013	Dec 24, 2013	0.371431
Dec 26, 2013	Jan 24, 2014	0.364453
Jan 27, 2014	Feb 24, 2014	0.358841
Feb 25, 2014	Mar 24, 2014	0.353056
Mar 25, 2014	Apr 24, 2014	0.349037
Apr 25, 2014	May 23, 2014	0.341950
May 27, 2014	Jun 24, 2014	0.334647
Jun 25, 2014	Jul 24, 2014	0.328980
Jul 25, 2014	Aug 22, 2014	0.322610
Aug 25, 2014	Sep 24, 2014	0.317887
Sep 25, 2014	Oct 24, 2014	0.311563
Oct 27, 2014	Nov 24, 2014	0.308816
Nov 25, 2014	Dec 24, 2014	0.302031
Dec 26, 2014	Jan 23, 2015	0.296431
Jan 26, 2015	Feb 24, 2015	0.290850
Feb 25, 2015	Mar 24, 2015	0.285499
Mar 25, 2015	Apr 24, 2015	0.283546
Apr 27, 2015	May 22, 2015	0.278895
May 26, 2015	Jun 24, 2015	0.273506
Jun 25, 2015		0.270618

1A36 Certificate Factor Chart

From	То	<u>Factor</u>
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A36 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.827678
Feb 25, 2013	Mar 22, 2013	0.811123
Mar 25, 2013	Apr 24, 2013	0.800793
Apr 25, 2013	May 24, 2013	0.788233
May 28, 2013	Jun 24, 2013	0.769059
Jun 25, 2013	Jul 24, 2013	0.756663
Jul 25, 2013	Aug 23, 2013	0.738668
Aug 26, 2013	Sep 24, 2013	0.715986
Sep 25, 2013	Oct 24, 2013	0.698744
Oct 25, 2013	Nov 22, 2013	0.688397
Nov 25, 2013	Dec 24, 2013	0.677618
Dec 26, 2013	Jan 24, 2014	0.665876
Jan 27, 2014	Feb 24, 2014	0.656132
Feb 25, 2014	Mar 24, 2014	0.645434
Mar 25, 2014	Apr 24, 2014	0.638087
Apr 25, 2014	May 23, 2014	0.625119
May 27, 2014	Jun 24, 2014	0.611716
Jun 25, 2014	Jul 24, 2014	0.601355
Jul 25, 2014	Aug 22, 2014	0.589592
Aug 25, 2014	Sep 24, 2014	0.580934
Sep 25, 2014	Oct 24, 2014	0.569360
Oct 27, 2014	Nov 24, 2014	0.564340
Nov 25, 2014	Dec 24, 2014	0.551927
Dec 26, 2014	Jan 23, 2015	0.541694
Jan 26, 2015	Feb 24, 2015	0.531494
Feb 25, 2015	Mar 24, 2015	0.521714
Mar 25, 2015	Apr 24, 2015	0.518137
Apr 27, 2015	May 22, 2015	0.509574
May 26, 2015	Jun 24, 2015	0.499720
Jun 25, 2015		0.494384

1A37 Certificate Factor Chart

From	То	<u>Factor</u>
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A37 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.827678
Feb 25, 2013	Mar 22, 2013	0.811123
Mar 25, 2013	Apr 24, 2013	0.800793
Apr 25, 2013	May 24, 2013	0.788233
May 28, 2013	Jun 24, 2013	0.769059
Jun 25, 2013	Jul 24, 2013	0.756663
Jul 25, 2013	Aug 23, 2013	0.738668
Aug 26, 2013 Sep 25, 2013	Sep 24, 2013 Oct 24, 2013	0.715986
Oct 25, 2013	Nov 22, 2013	0.698744
Nov 25, 2013	Dec 24, 2013	0.688397
Dec 26, 2013	Jan 24, 2014	0.677618
Jan 27, 2014	Feb 24, 2014	0.665876
Feb 25, 2014	Mar 24, 2014	0.656132
Mar 25, 2014	Apr 24, 2014	0.645434 0.638087
Apr 25, 2014	May 23, 2014	0.625119
May 27, 2014	Jun 24, 2014	0.611716
Jun 25, 2014	Jul 24, 2014	0.601355
Jul 25, 2014	Aug 22, 2014	0.589592
Aug 25, 2014	Sep 24, 2014	0.580934
Sep 25, 2014	Oct 24, 2014	0.569360
Oct 27, 2014	Nov 24, 2014	0.564340
Nov 25, 2014	Dec 24, 2014	0.551927
Dec 26, 2014	Jan 23, 2015	0.541694
Jan 26, 2015	Feb 24, 2015	0.531494
Feb 25, 2015	Mar 24, 2015	0.521714
Mar 25, 2015	Apr 24, 2015	0.518137
Apr 27, 2015	May 22, 2015	0.509574
May 26, 2015	Jun 24, 2015	0.499720
Jun 25, 2015		0.494384

1A38 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.689750
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.682508
Apr 25, 2011	May 24, 2011	0.674716
May 25, 2011	Jun 24, 2011	0.667134
Jun 27, 2011	Jul 22, 2011	0.662305
Jul 25, 2011	Aug 24, 2011	0.655648
Aug 25, 2011	Sep 23, 2011	0.645537
	30p 23, 2011	0.638723

1A38 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.561608
Sep 25, 2012	Oct 24, 2012	0.545817
Oct 25, 2012	Nov 23, 2012	0.537243
Nov 26, 2012	Dec 24, 2012	0.530072
Dec 26, 2012	Jan 24, 2013	0.523430
Jan 25, 2013	Feb 22, 2013	0.517850
Feb 25, 2013	Mar 22, 2013	0.509584
Mar 25, 2013	Apr 24, 2013	0.503516
Apr 25, 2013	May 24, 2013	0.494859
May 28, 2013	Jun 24, 2013	0.486996
Jun 25, 2013	Jul 24, 2013	0.481235
Jul 25, 2013	Aug 23, 2013	0.473260
Aug 26, 2013	Sep 24, 2013	0.464594
Sep 25, 2013	Oct 24, 2013	0.460416
Oct 25, 2013	Nov 22, 2013	0.453764
Nov 25, 2013	Dec 24, 2013	0.446512
Dec 26, 2013	Jan 24, 2014	0.441708
Jan 27, 2014	Feb 24, 2014	0.437745
Feb 25, 2014	Mar 24, 2014	0.434419
Mar 25, 2014	Apr 24, 2014	0.432824
Apr 25, 2014	May 23, 2014	0.427932
May 27, 2014	Jun 24, 2014	0.421709
Jun 25, 2014	Jul 24, 2014	0.414522
Jul 25, 2014	Aug 22, 2014	0.409786
Aug 25, 2014	Sep 24, 2014	0.406655
Sep 25, 2014	Oct 24, 2014	0.397313
Oct 27, 2014	Nov 24, 2014	0.395248
Nov 25, 2014	Dec 24, 2014	0.388185
Dec 26, 2014	Jan 23, 2015	0.382682
Jan 26, 2015	Feb 24, 2015	0.379013
Feb 25, 2015	Mar 24, 2015	0.375280
Mar 25, 2015	Apr 24, 2015	0.373272
Apr 27, 2015 May 26, 2015	May 22, 2015	0.367999
Jun 25, 2015	Jun 24, 2015	0.362122
Juli 23, 2013		0.360502

1A39 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.689750
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.682508
Apr 25, 2011	May 24, 2011	0.674716
May 25, 2011	Jun 24, 2011	0.667134
Jun 27, 2011	Jul 22, 2011	0.662305
Jul 25, 2011	Aug 24, 2011	0.655648
Aug 25, 2011	Sep 23, 2011	0.645537
	30p 23, 2011	0.638723

1A39 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.561608
Sep 25, 2012	Oct 24, 2012	0.545788
Oct 25, 2012	Nov 23, 2012	0.537180
Nov 26, 2012	Dec 24, 2012	0.529983
Dec 26, 2012	Jan 24, 2013	0.523099
Jan 25, 2013	Feb 22, 2013	0.517521
Feb 25, 2013	Mar 22, 2013	0.503049
Mar 25, 2013	Apr 24, 2013	0.496943
Apr 25, 2013	May 24, 2013	0.487796
May 28, 2013	Jun 24, 2013	0.479936
Jun 25, 2013	Jul 24, 2013	0.474192
Jul 25, 2013	Aug 23, 2013	0.466185
Aug 26, 2013	Sep 24, 2013	0.455696
Sep 25, 2013	Oct 24, 2013	0.460416
Oct 25, 2013	Nov 22, 2013	0.453764
Nov 25, 2013	Dec 24, 2013	0.446512
Dec 26, 2013	Jan 24, 2014	0.441708
Jan 27, 2014	Feb 24, 2014	0.437745
Feb 25, 2014	Mar 24, 2014	0.434419
Mar 25, 2014	Apr 24, 2014	0.432824
Apr 25, 2014	May 23, 2014	0.427932
May 27, 2014	Jun 24, 2014	0.421709
Jun 25, 2014	Jul 24, 2014	0.414522
Jul 25, 2014	Aug 22, 2014	0.409786
Aug 25, 2014	Sep 24, 2014	0.406655
Sep 25, 2014	Oct 24, 2014	0.397313
Oct 27, 2014	Nov 24, 2014	0.395248
Nov 25, 2014	Dec 24, 2014	0.388185
Dec 26, 2014	Jan 23, 2015	0.382682
Jan 26, 2015	Feb 24, 2015	0.379013
Feb 25, 2015	Mar 24, 2015	0.375280
Mar 25, 2015	Apr 24, 2015	0.373272
Apr 27, 2015	May 22, 2015	0.367999
May 26, 2015	Jun 24, 2015	0.362122
Jun 25, 2015		0.360502

1A40 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.689750
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.682508
Apr 25, 2011	May 24, 2011	0.674716
May 25, 2011	Jun 24, 2011	0.667134
Jun 27, 2011	Jul 22, 2011	0.662305
Jul 25, 2011	Aug 24, 2011	0.655648
Aug 25, 2011	Sep 23, 2011	0.645537
	30p 23, 2011	0.638723

1A40 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.563939
Feb 27, 2012	Mar 23, 2012	0.433101
Mar 26, 2012	Apr 24, 2012	0.348369
Apr 25, 2012	May 24, 2012	0.292633
May 25, 2012	Jun 22, 2012	0.136792
Jun 25, 2012	Jul 24, 2012	0.084602
Jul 25, 2012	Aug 24, 2012	0.023799
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A41 Certificate Factor Chart

From	То	Factor
<u> </u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010 Oct 25, 2010	Oct 22, 2010 Nov 24, 2010	0.729915
Nov 26, 2010	Dec 23, 2010	0.719992
Dec 27, 2010	Jan 24, 2011	0.707875
Jan 25, 2011	Feb 24, 2011	0.698537
Feb 25, 2011	Mar 24, 2011	0.689750
Mar 25, 2011	Apr 22, 2011	0.682508 0.674716
Apr 25, 2011	May 24, 2011	0.667134
May 25, 2011	Jun 24, 2011	0.662305
Jun 27, 2011	Jul 22, 2011	0.655648
Jul 25, 2011	Aug 24, 2011	0.645537
Aug 25, 2011	Sep 23, 2011	0.638723

1A41 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.563939
Feb 27, 2012	Mar 23, 2012	0.433101
Mar 26, 2012	Apr 24, 2012	0.348369
Apr 25, 2012	May 24, 2012	0.292633
May 25, 2012	Jun 22, 2012	0.136792
Jun 25, 2012	Jul 24, 2012	0.084602
Jul 25, 2012	Aug 24, 2012	0.023799
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A42 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A42 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.825708
Feb 25, 2013	Mar 22, 2013	0.807571
Mar 25, 2013	Apr 24, 2013	0.796144
Apr 25, 2013	May 24, 2013	0.781916
May 28, 2013	Jun 24, 2013	0.760260
Jun 25, 2013	Jul 24, 2013	0.746323
Jul 25, 2013	Aug 23, 2013	0.725247
Aug 26, 2013	Sep 24, 2013	0.701299
Sep 25, 2013	Oct 24, 2013	0.683939
Oct 25, 2013	Nov 22, 2013	0.673296
Nov 25, 2013	Dec 24, 2013	0.661992
Dec 26, 2013	Jan 24, 2014	0.649556
Jan 27, 2014	Feb 24, 2014	0.639552
Feb 25, 2014	Mar 24, 2014	0.629243
Mar 25, 2014	Apr 24, 2014	0.622080
Apr 25, 2014	May 23, 2014	0.609448
May 27, 2014	Jun 24, 2014	0.596433
Jun 25, 2014	Jul 24, 2014	0.586333
Jul 25, 2014	Aug 22, 2014	0.574980
Aug 25, 2014	Sep 24, 2014	0.566561
Sep 25, 2014	Oct 24, 2014	0.555291
Oct 27, 2014	Nov 24, 2014	0.550395
Nov 25, 2014	Dec 24, 2014	0.538302
Dec 26, 2014	Jan 23, 2015	0.528321
Jan 26, 2015	Feb 24, 2015	0.518375
Feb 25, 2015	Mar 24, 2015	0.508837
Mar 25, 2015	Apr 24, 2015	0.505357
Apr 27, 2015	May 22, 2015	0.497067
May 26, 2015	Jun 24, 2015	0.487462
Jun 25, 2015		0.482315

1A43 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A43 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.00000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.825708
Feb 25, 2013	Mar 22, 2013	0.807571
Mar 25, 2013	Apr 24, 2013	0.796144
Apr 25, 2013	May 24, 2013	0.781916
May 28, 2013	Jun 24, 2013	0.760260
Jun 25, 2013	Jul 24, 2013	0.746323
Jul 25, 2013	Aug 23, 2013	0.725247
Aug 26, 2013	Sep 24, 2013	0.701299
Sep 25, 2013	Oct 24, 2013	0.683939
Oct 25, 2013	Nov 22, 2013	0.673296
Nov 25, 2013	Dec 24, 2013	0.661992
Dec 26, 2013	Jan 24, 2014	0.649556
Jan 27, 2014	Feb 24, 2014	0.639552
Feb 25, 2014	Mar 24, 2014	0.629243
Mar 25, 2014	Apr 24, 2014	0.622080
Apr 25, 2014	May 23, 2014	0.609448
May 27, 2014	Jun 24, 2014	0.596433
Jun 25, 2014	Jul 24, 2014	0.586333
Jul 25, 2014	Aug 22, 2014	0.574980
Aug 25, 2014	Sep 24, 2014	0.566561
Sep 25, 2014	Oct 24, 2014	0.555291
Oct 27, 2014	Nov 24, 2014	0.550395
Nov 25, 2014	Dec 24, 2014	0.538302
Dec 26, 2014	Jan 23, 2015	0.528321
Jan 26, 2015	Feb 24, 2015	0.518375
Feb 25, 2015	Mar 24, 2015	0.508837
Mar 25, 2015	Apr 24, 2015	0.505357
Apr 27, 2015	May 22, 2015	0.497067
May 26, 2015	Jun 24, 2015	0.487462
Jun 25, 2015		0.482315

1A44 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A44 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.825708
Feb 25, 2013	Mar 22, 2013	0.807571
Mar 25, 2013	Apr 24, 2013	0.796144
Apr 25, 2013	May 24, 2013	0.781916
May 28, 2013	Jun 24, 2013	0.760260
Jun 25, 2013	Jul 24, 2013	0.746323
Jul 25, 2013	Aug 23, 2013	0.725247
Aug 26, 2013	Sep 24, 2013	0.701299
Sep 25, 2013	Oct 24, 2013	0.683939
Oct 25, 2013	Nov 22, 2013	0.673296
Nov 25, 2013	Dec 24, 2013	0.661992
Dec 26, 2013	Jan 24, 2014	0.649556
Jan 27, 2014	Feb 24, 2014	0.639552
Feb 25, 2014	Mar 24, 2014	0.629243
Mar 25, 2014	Apr 24, 2014	0.622080
Apr 25, 2014	May 23, 2014	0.609448
May 27, 2014	Jun 24, 2014	0.596433
Jun 25, 2014	Jul 24, 2014	0.586333
Jul 25, 2014	Aug 22, 2014	0.574980
Aug 25, 2014	Sep 24, 2014	0.566561
Sep 25, 2014	Oct 24, 2014	0.555291
Oct 27, 2014	Nov 24, 2014	0.550395
Nov 25, 2014	Dec 24, 2014	0.538302
Dec 26, 2014	Jan 23, 2015	0.528321
Jan 26, 2015	Feb 24, 2015	0.518375
Feb 25, 2015	Mar 24, 2015	0.508837
Mar 25, 2015	Apr 24, 2015	0.505357
Apr 27, 2015	May 22, 2015	0.497067
May 26, 2015	Jun 24, 2015	0.487462
Jun 25, 2015		0.482315

1A45 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A45 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.824016
Feb 25, 2013	Mar 22, 2013	0.806353
Mar 25, 2013	Apr 24, 2013	0.794954
Apr 25, 2013	May 24, 2013	0.780773
May 28, 2013	Jun 24, 2013	0.759152
Jun 25, 2013	Jul 24, 2013	0.745235
Jul 25, 2013	Aug 23, 2013	0.724211
Aug 26, 2013	Sep 24, 2013	0.700298
Sep 25, 2013	Oct 24, 2013	0.682963
Oct 25, 2013	Nov 22, 2013	0.672336
Nov 25, 2013	Dec 24, 2013	0.661067
Dec 26, 2013	Jan 24, 2014	0.648648
Jan 27, 2014	Feb 24, 2014	0.638660
Feb 25, 2014	Mar 24, 2014	0.628372
Mar 25, 2014	Apr 24, 2014	0.621219
Apr 25, 2014	May 23, 2014	0.608604
May 27, 2014	Jun 24, 2014	0.595609
Jun 25, 2014	Jul 24, 2014	0.585523
Jul 25, 2014	Aug 22, 2014	0.574190
Aug 25, 2014	Sep 24, 2014	0.565784
Sep 25, 2014	Oct 24, 2014	0.554529
Oct 27, 2014	Nov 24, 2014	0.549641
Nov 25, 2014	Dec 24, 2014	0.537565
Dec 26, 2014	Jan 23, 2015	0.527598
Jan 26, 2015	Feb 24, 2015	0.517665
Feb 25, 2015	Mar 24, 2015	0.508140
Mar 25, 2015	Apr 24, 2015	0.504665
Apr 27, 2015	May 22, 2015	0.496389
May 26, 2015	Jun 24, 2015	0.486798
Jun 25, 2015		0.481660

1A46 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A46 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.00000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.824016
Feb 25, 2013	Mar 22, 2013	0.806353
Mar 25, 2013	Apr 24, 2013	0.794954
Apr 25, 2013	May 24, 2013	0.780773
May 28, 2013	Jun 24, 2013	0.759152
Jun 25, 2013	Jul 24, 2013	0.745235
Jul 25, 2013	Aug 23, 2013	0.724211
Aug 26, 2013	Sep 24, 2013	0.700298
Sep 25, 2013	Oct 24, 2013	0.682963
Oct 25, 2013	Nov 22, 2013	0.672336
Nov 25, 2013	Dec 24, 2013	0.661067
Dec 26, 2013	Jan 24, 2014	0.648648
Jan 27, 2014	Feb 24, 2014	0.638660
Feb 25, 2014	Mar 24, 2014	0.628372
Mar 25, 2014	Apr 24, 2014	0.621219
Apr 25, 2014	May 23, 2014	0.608604
May 27, 2014	Jun 24, 2014	0.595609
Jun 25, 2014	Jul 24, 2014	0.585523
Jul 25, 2014	Aug 22, 2014	0.574190
Aug 25, 2014	Sep 24, 2014	0.565784
Sep 25, 2014	Oct 24, 2014	0.554529
Oct 27, 2014	Nov 24, 2014	0.549641
Nov 25, 2014	Dec 24, 2014	0.537565
Dec 26, 2014	Jan 23, 2015	0.527598
Jan 26, 2015	Feb 24, 2015	0.517665
Feb 25, 2015	Mar 24, 2015	0.508140
Mar 25, 2015	Apr 24, 2015	0.504665
Apr 27, 2015	May 22, 2015	0.496389
May 26, 2015	Jun 24, 2015	0.486798
Jun 25, 2015		0.481660

1A47 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A47 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.824016
Feb 25, 2013	Mar 22, 2013	0.806353
Mar 25, 2013	Apr 24, 2013	0.794954
Apr 25, 2013	May 24, 2013	0.780773
May 28, 2013	Jun 24, 2013	0.759152
Jun 25, 2013	Jul 24, 2013	0.745235
Jul 25, 2013	Aug 23, 2013	0.724211
Aug 26, 2013	Sep 24, 2013	0.700298
Sep 25, 2013	Oct 24, 2013	0.682963
Oct 25, 2013	Nov 22, 2013	0.672336
Nov 25, 2013	Dec 24, 2013	0.661067
Dec 26, 2013	Jan 24, 2014	0.648648
Jan 27, 2014	Feb 24, 2014	0.638660
Feb 25, 2014	Mar 24, 2014	0.628372
Mar 25, 2014	Apr 24, 2014	0.621219
Apr 25, 2014	May 23, 2014	0.608604
May 27, 2014	Jun 24, 2014	0.595609
Jun 25, 2014	Jul 24, 2014	0.585523
Jul 25, 2014	Aug 22, 2014	0.574190
Aug 25, 2014	Sep 24, 2014	0.565784
Sep 25, 2014	Oct 24, 2014	0.554529
Oct 27, 2014	Nov 24, 2014	0.549641
Nov 25, 2014	Dec 24, 2014	0.537565
Dec 26, 2014	Jan 23, 2015	0.527598
Jan 26, 2015	Feb 24, 2015	0.517665
Feb 25, 2015	Mar 24, 2015	0.508140
Mar 25, 2015	Apr 24, 2015	0.504665
Apr 27, 2015	May 22, 2015	0.496389
May 26, 2015	Jun 24, 2015	0.486798
Jun 25, 2015		0.481660

1A48 Certificate Factor Chart

From	То	Factor
<u>e</u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.993518
Sep 25, 2007	Oct 24, 2007	0.980155
Oct 25, 2007	Nov 23, 2007	0.972181
Nov 26, 2007	Dec 24, 2007	0.967618
Dec 26, 2007	Jan 24, 2008	0.958165
Jan 25, 2008	Feb 22, 2008	0.946583
Feb 25, 2008	Mar 24, 2008	0.933953
Mar 25, 2008	Apr 24, 2008	0.922717
Apr 25, 2008	May 23, 2008	0.916697
May 27, 2008	Jun 24, 2008	0.909618
Jun 25, 2008	Jul 24, 2008	0.903581
Jul 25, 2008	Aug 22, 2008	0.894051
Aug 25, 2008	Sep 24, 2008	0.892191
Sep 25, 2008	Oct 24, 2008	0.889707
Oct 27, 2008	Nov 24, 2008	0.889706
Nov 25, 2008	Dec 24, 2008	0.880354
Dec 26, 2008	Jan 23, 2009	0.880353
Jan 26, 2009	Feb 24, 2009	0.876443
Feb 25, 2009	Mar 24, 2009	0.866171
Mar 25, 2009	Apr 24, 2009	0.843716
Apr 27, 2009	May 22, 2009	0.828416
May 26, 2009	Jun 24, 2009	0.799568
Jun 25, 2009	Jul 24, 2009	0.773925
Jul 27, 2009	Aug 24, 2009	0.751970
Aug 25, 2009	Sep 24, 2009	0.725859
Sep 25, 2009	Oct 23, 2009	0.718841
Oct 26, 2009	Nov 24, 2009	0.705140
Nov 25, 2009	Dec 24, 2009	0.696152
Dec 28, 2009	Jan 22, 2010	0.683162
Jan 25, 2010	Feb 24, 2010	0.666144
Feb 25, 2010	Mar 24, 2010	0.642688
Mar 25, 2010	Apr 23, 2010	0.636813
Apr 26, 2010	May 24, 2010	0.623705
May 25, 2010	Jun 24, 2010	0.614363
Jun 25, 2010	Jul 23, 2010	0.607191
Jul 26, 2010	Aug 24, 2010	0.589763
Aug 25, 2010	Sep 24, 2010	0.566332
Sep 27, 2010	Oct 22, 2010	0.546776
Oct 25, 2010	Nov 24, 2010	0.521078
Nov 26, 2010	Dec 23, 2010	0.494469
Dec 27, 2010	Jan 24, 2011	0.468748
Jan 25, 2011	Feb 24, 2011	0.440191
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.422610
Apr 25, 2011	May 24, 2011	0.410543
May 25, 2011	Jun 24, 2011	0.392161
Jun 27, 2011	Jul 22, 2011	0.386516
Jul 25, 2011	Aug 24, 2011	0.376023
Aug 25, 2011	Sep 23, 2011	0.365196
, 146 23, 2011	JCP 23, 2011	0.359237

1A48 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.345754
Oct 25, 2011	Nov 23, 2011	0.338873
Nov 25, 2011	Dec 23, 2011	0.336213
Dec 27, 2011	Jan 24, 2012	0.332735
Jan 25, 2012	Feb 24, 2012	0.326438
Feb 27, 2012	Mar 23, 2012	0.322545
Mar 26, 2012	Apr 24, 2012	0.320440
Apr 25, 2012	May 24, 2012	0.315408
May 25, 2012	Jun 22, 2012	0.309459
Jun 25, 2012	Jul 24, 2012	0.306230
Jul 25, 2012	Aug 24, 2012	0.301286
Aug 27, 2012	Sep 24, 2012	0.296673
Sep 25, 2012	Oct 24, 2012	0.291882
Oct 25, 2012	Nov 23, 2012	0.285459
Nov 26, 2012	Dec 24, 2012	0.282237
Dec 26, 2012	Jan 24, 2013	0.279442
Jan 25, 2013	Feb 22, 2013	0.274742
Feb 25, 2013	Mar 22, 2013	0.268707
Mar 25, 2013	Apr 24, 2013	0.264905
Apr 25, 2013	May 24, 2013	0.260171
May 28, 2013	Jun 24, 2013	0.252965
Jun 25, 2013	Jul 24, 2013	0.248327
Jul 25, 2013	Aug 23, 2013	0.241315
Aug 26, 2013	Sep 24, 2013	0.233347
Sep 25, 2013	Oct 24, 2013	0.227570
Oct 25, 2013	Nov 22, 2013	0.224029
Nov 25, 2013	Dec 24, 2013	0.220268
Dec 26, 2013	Jan 24, 2014	0.216130
Jan 27, 2014	Feb 24, 2014	0.212801
Feb 25, 2014	Mar 24, 2014	0.209371
Mar 25, 2014	Apr 24, 2014	0.206988
Apr 25, 2014	May 23, 2014	0.202784
May 27, 2014	Jun 24, 2014	0.198454
Jun 25, 2014	Jul 24, 2014	0.195093
Jul 25, 2014	Aug 22, 2014	0.191316
Aug 25, 2014	Sep 24, 2014	0.188515
Sep 25, 2014	Oct 24, 2014	0.184764
Oct 27, 2014	Nov 24, 2014	0.183136
Nov 25, 2014	Dec 24, 2014	0.179112
Dec 26, 2014	Jan 23, 2015	0.175791
Jan 26, 2015	Feb 24, 2015	0.172481
Feb 25, 2015	Mar 24, 2015	0.169308
Mar 25, 2015	Apr 24, 2015	0.168150
Apr 27, 2015	May 22, 2015	0.165392
May 26, 2015	Jun 24, 2015	0.162196
Jun 25, 2015		0.160483

1A49 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
	·	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010 Oct 25, 2010	Oct 22, 2010 Nov 24, 2010	1.000000
Nov 26, 2010	•	1.000000
Dec 27, 2010	Dec 23, 2010	1.000000
Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
		1.000000

1A49 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.996782
Feb 27, 2012	Mar 23, 2012	0.996182
Mar 26, 2012	Apr 24, 2012	0.980166
Apr 25, 2012	May 24, 2012	0.964033
May 25, 2012	Jun 22, 2012	0.957767
Jun 25, 2012	Jul 24, 2012	0.953265
Jul 25, 2012	Aug 24, 2012	0.947591
Aug 27, 2012	Sep 24, 2012	0.941480
Sep 25, 2012	Oct 24, 2012	0.931274
Oct 25, 2012	Nov 23, 2012	0.919096
Nov 26, 2012	Dec 24, 2012	0.905358
Dec 26, 2012	Jan 24, 2013	0.891013
Jan 25, 2013	Feb 22, 2013	0.875310
Feb 25, 2013	Mar 22, 2013	0.871169
Mar 25, 2013	Apr 24, 2013	0.862753
Apr 25, 2013	May 24, 2013	0.855650
May 28, 2013	Jun 24, 2013	0.850896
Jun 25, 2013	Jul 24, 2013	0.830892
Jul 25, 2013	Aug 23, 2013	0.815125
Aug 26, 2013	Sep 24, 2013	0.806343
Sep 25, 2013	Oct 24, 2013	0.804701
Oct 25, 2013	Nov 22, 2013	0.797398
Nov 25, 2013	Dec 24, 2013	0.791483
Dec 26, 2013	Jan 24, 2014	0.776779
Jan 27, 2014	Feb 24, 2014	0.759506
Feb 25, 2014	Mar 24, 2014	0.750989
Mar 25, 2014	Apr 24, 2014	0.750359
Apr 25, 2014	May 23, 2014	0.745388
May 27, 2014	Jun 24, 2014	0.745607
Jun 25, 2014	Jul 24, 2014	0.740255
Jul 25, 2014	Aug 22, 2014	0.725965
Aug 25, 2014	Sep 24, 2014	0.708769
Sep 25, 2014	Oct 24, 2014	0.706255
Oct 27, 2014	Nov 24, 2014	0.702157
Nov 25, 2014	Dec 24, 2014	0.686523
Dec 26, 2014	Jan 23, 2015	0.667961
Jan 26, 2015	Feb 24, 2015	0.659742
Feb 25, 2015	Mar 24, 2015	0.659729
Mar 25, 2015	Apr 24, 2015	0.655632
Apr 27, 2015	May 22, 2015	0.635407
May 26, 2015	Jun 24, 2015	0.627017
Jun 25, 2015		0.623154

1A50 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A50 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.996782
Feb 27, 2012	Mar 23, 2012	0.996182
Mar 26, 2012	Apr 24, 2012	0.980166
Apr 25, 2012	May 24, 2012	0.964033
May 25, 2012	Jun 22, 2012	0.957767
Jun 25, 2012	Jul 24, 2012	0.953265
Jul 25, 2012	Aug 24, 2012	0.947591
Aug 27, 2012	Sep 24, 2012	0.941480
Sep 25, 2012	Oct 24, 2012	0.931274
Oct 25, 2012	Nov 23, 2012	0.919096
Nov 26, 2012	Dec 24, 2012	0.905358
Dec 26, 2012	Jan 24, 2013	0.891013
Jan 25, 2013	Feb 22, 2013	0.875310
Feb 25, 2013	Mar 22, 2013	0.871169
Mar 25, 2013	Apr 24, 2013	0.862753
Apr 25, 2013	May 24, 2013	0.855650
May 28, 2013	Jun 24, 2013	0.850896
Jun 25, 2013	Jul 24, 2013	0.830892
Jul 25, 2013	Aug 23, 2013	0.815125
Aug 26, 2013	Sep 24, 2013	0.806343
Sep 25, 2013	Oct 24, 2013	0.804701
Oct 25, 2013	Nov 22, 2013	0.797398
Nov 25, 2013	Dec 24, 2013	0.791483
Dec 26, 2013	Jan 24, 2014	0.776779
Jan 27, 2014	Feb 24, 2014	0.759506
Feb 25, 2014	Mar 24, 2014	0.750989
Mar 25, 2014	Apr 24, 2014	0.750359
Apr 25, 2014	May 23, 2014	0.745388
May 27, 2014	Jun 24, 2014	0.745607
Jun 25, 2014	Jul 24, 2014	0.740255
Jul 25, 2014	Aug 22, 2014	0.725965
Aug 25, 2014	Sep 24, 2014	0.708769
Sep 25, 2014	Oct 24, 2014	0.706255
Oct 27, 2014	Nov 24, 2014	0.702157
Nov 25, 2014	Dec 24, 2014	0.686523
Dec 26, 2014	Jan 23, 2015	0.667961
Jan 26, 2015	Feb 24, 2015	0.659742
Feb 25, 2015	Mar 24, 2015	0.659729
Mar 25, 2015	Apr 24, 2015	0.655632
Apr 27, 2015	May 22, 2015	0.635407
May 26, 2015	Jun 24, 2015	0.627017
Jun 25, 2015		0.623154

1A51 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
	·	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010 Oct 25, 2010	Oct 22, 2010 Nov 24, 2010	1.000000
Nov 26, 2010	•	1.000000
Dec 27, 2010	Dec 23, 2010	1.000000
Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
		1.000000

1A51 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.996782
Feb 27, 2012	Mar 23, 2012	0.996182
Mar 26, 2012	Apr 24, 2012	0.980166
Apr 25, 2012	May 24, 2012	0.964033
May 25, 2012	Jun 22, 2012	0.957767
Jun 25, 2012	Jul 24, 2012	0.953265
Jul 25, 2012	Aug 24, 2012	0.947591
Aug 27, 2012	Sep 24, 2012	0.941480
Sep 25, 2012	Oct 24, 2012	0.931274
Oct 25, 2012	Nov 23, 2012	0.919096
Nov 26, 2012	Dec 24, 2012	0.905358
Dec 26, 2012	Jan 24, 2013	0.891013
Jan 25, 2013	Feb 22, 2013	0.875310
Feb 25, 2013	Mar 22, 2013	0.871169
Mar 25, 2013	Apr 24, 2013	0.862753
Apr 25, 2013 May 28, 2013	May 24, 2013	0.855650
Jun 25, 2013	Jun 24, 2013	0.850896
Jul 25, 2013	Jul 24, 2013 Aug 23, 2013	0.830892
Aug 26, 2013	Sep 24, 2013	0.815125
Sep 25, 2013	Oct 24, 2013	0.806343
Oct 25, 2013	Nov 22, 2013	0.804701
Nov 25, 2013	Dec 24, 2013	0.797398
Dec 26, 2013	Jan 24, 2014	0.791483
Jan 27, 2014	Feb 24, 2014	0.776779
Feb 25, 2014	Mar 24, 2014	0.759506 0.750989
Mar 25, 2014	Apr 24, 2014	0.750359
Apr 25, 2014	May 23, 2014	0.745388
May 27, 2014	Jun 24, 2014	0.745607
Jun 25, 2014	Jul 24, 2014	0.740255
Jul 25, 2014	Aug 22, 2014	0.725965
Aug 25, 2014	Sep 24, 2014	0.708769
Sep 25, 2014	Oct 24, 2014	0.706255
Oct 27, 2014	Nov 24, 2014	0.702157
Nov 25, 2014	Dec 24, 2014	0.686523
Dec 26, 2014	Jan 23, 2015	0.667961
Jan 26, 2015	Feb 24, 2015	0.659742
Feb 25, 2015	Mar 24, 2015	0.659729
Mar 25, 2015	Apr 24, 2015	0.655632
Apr 27, 2015	May 22, 2015	0.635407
May 26, 2015	Jun 24, 2015	0.627017
Jun 25, 2015		0.623154

1A52 Certificate Factor Chart

From	То	<u>Factor</u>
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A52 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.996782
Feb 27, 2012	Mar 23, 2012	0.996182
Mar 26, 2012	Apr 24, 2012	0.980166
Apr 25, 2012	May 24, 2012	0.964033
May 25, 2012	Jun 22, 2012	0.957767
Jun 25, 2012	Jul 24, 2012	0.953265
Jul 25, 2012	Aug 24, 2012	0.947591
Aug 27, 2012	Sep 24, 2012	0.941480
Sep 25, 2012	Oct 24, 2012	0.931274
Oct 25, 2012	Nov 23, 2012	0.919096
Nov 26, 2012	Dec 24, 2012	0.905358
Dec 26, 2012	Jan 24, 2013	0.891013
Jan 25, 2013	Feb 22, 2013	0.875310
Feb 25, 2013	Mar 22, 2013	0.871169
Mar 25, 2013	Apr 24, 2013	0.862753
Apr 25, 2013	May 24, 2013	0.855650
May 28, 2013	Jun 24, 2013	0.850896
Jun 25, 2013	Jul 24, 2013	0.830892
Jul 25, 2013	Aug 23, 2013	0.815125
Aug 26, 2013	Sep 24, 2013	0.806343
Sep 25, 2013	Oct 24, 2013	0.804701
Oct 25, 2013	Nov 22, 2013	0.797398
Nov 25, 2013	Dec 24, 2013	0.791483
Dec 26, 2013	Jan 24, 2014	0.776779
Jan 27, 2014	Feb 24, 2014	0.759506
Feb 25, 2014	Mar 24, 2014	0.750989
Mar 25, 2014	Apr 24, 2014	0.750359
Apr 25, 2014	May 23, 2014	0.745388
May 27, 2014	Jun 24, 2014	0.745607
Jun 25, 2014	Jul 24, 2014	0.740255
Jul 25, 2014	Aug 22, 2014	0.725965
Aug 25, 2014	Sep 24, 2014	0.708769
Sep 25, 2014	Oct 24, 2014	0.706255
Oct 27, 2014	Nov 24, 2014	0.702157
Nov 25, 2014	Dec 24, 2014	0.686523
Dec 26, 2014	Jan 23, 2015	0.667961
Jan 26, 2015	Feb 24, 2015	0.659742
Feb 25, 2015	Mar 24, 2015	0.659729
Mar 25, 2015	Apr 24, 2015	0.655632
Apr 27, 2015	May 22, 2015	0.635407
May 26, 2015	Jun 24, 2015	0.627017
Jun 25, 2015		0.623154

1A53 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A53 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.996782
Feb 27, 2012	Mar 23, 2012	0.996182
Mar 26, 2012	Apr 24, 2012	0.980166
Apr 25, 2012	May 24, 2012	0.964033
May 25, 2012	Jun 22, 2012	0.957767
Jun 25, 2012	Jul 24, 2012	0.953265
Jul 25, 2012	Aug 24, 2012	0.947591
Aug 27, 2012	Sep 24, 2012	0.941480
Sep 25, 2012	Oct 24, 2012	0.931274
Oct 25, 2012	Nov 23, 2012	0.919096
Nov 26, 2012	Dec 24, 2012	0.905358
Dec 26, 2012	Jan 24, 2013	0.891013
Jan 25, 2013	Feb 22, 2013	0.875310
Feb 25, 2013	Mar 22, 2013	0.871169
Mar 25, 2013	Apr 24, 2013	0.862753
Apr 25, 2013	May 24, 2013	0.855650
May 28, 2013	Jun 24, 2013	0.850896
Jun 25, 2013	Jul 24, 2013	0.830892
Jul 25, 2013	Aug 23, 2013	0.815125
Aug 26, 2013	Sep 24, 2013	0.806343
Sep 25, 2013	Oct 24, 2013	0.804701
Oct 25, 2013	Nov 22, 2013	0.797398
Nov 25, 2013	Dec 24, 2013	0.791483
Dec 26, 2013	Jan 24, 2014	0.776779
Jan 27, 2014	Feb 24, 2014	0.759506
Feb 25, 2014	Mar 24, 2014	0.750989
Mar 25, 2014	Apr 24, 2014	0.750359
Apr 25, 2014	May 23, 2014	0.745388
May 27, 2014	Jun 24, 2014	0.745607
Jun 25, 2014	Jul 24, 2014	0.740255
Jul 25, 2014	Aug 22, 2014	0.725965
Aug 25, 2014	Sep 24, 2014	0.708769
Sep 25, 2014	Oct 24, 2014	0.706255
Oct 27, 2014	Nov 24, 2014	0.702157
Nov 25, 2014	Dec 24, 2014	0.686523
Dec 26, 2014	Jan 23, 2015	0.667961
Jan 26, 2015	Feb 24, 2015	0.659742
Feb 25, 2015	Mar 24, 2015	0.659729
Mar 25, 2015	Apr 24, 2015	0.655632
Apr 27, 2015	May 22, 2015	0.635407
May 26, 2015	Jun 24, 2015	0.627017
Jun 25, 2015		0.623154

1A54 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.996621
Sep 25, 2007	Oct 24, 2007	0.983687
Oct 25, 2007	Nov 23, 2007	0.973438
Nov 26, 2007	Dec 24, 2007	0.962755
Dec 26, 2007	Jan 24, 2008	0.961610
Jan 25, 2008	Feb 22, 2008	0.947148
Feb 25, 2008	Mar 24, 2008	0.929196
Mar 25, 2008	Apr 24, 2008	0.918991
Apr 25, 2008	May 23, 2008	0.900637
May 27, 2008	Jun 24, 2008	0.891473
Jun 25, 2008	Jul 24, 2008	0.868394
Jul 25, 2008	Aug 22, 2008	0.843923
Aug 25, 2008	Sep 24, 2008	0.837527
Sep 25, 2008	Oct 24, 2008	0.835514
Oct 27, 2008	Nov 24, 2008	0.833013
Nov 25, 2008	Dec 24, 2008	0.827696
Dec 26, 2008	Jan 23, 2009	0.821558
Jan 26, 2009	Feb 24, 2009	0.811560
Feb 25, 2009	Mar 24, 2009	0.799977
Mar 25, 2009	Apr 24, 2009	0.792091
Apr 27, 2009	May 22, 2009	0.784307
May 26, 2009	Jun 24, 2009	0.774163
Jun 25, 2009	Jul 24, 2009	0.771686
Jul 27, 2009	Aug 24, 2009	0.747201
Aug 25, 2009	Sep 24, 2009	0.731037
Sep 25, 2009	Oct 23, 2009	0.718171
Oct 26, 2009	Nov 24, 2009	0.708177
Nov 25, 2009	Dec 24, 2009	0.697797
Dec 28, 2009	Jan 22, 2010	0.684114
Jan 25, 2010	Feb 24, 2010	0.679598
Feb 25, 2010	Mar 24, 2010	0.669565
Mar 25, 2010	Apr 23, 2010	0.660760
Apr 26, 2010	May 24, 2010	0.638792
May 25, 2010	Jun 24, 2010	0.636946
Jun 25, 2010	Jul 23, 2010	0.626239
Jul 26, 2010	Aug 24, 2010	0.622390
Aug 25, 2010	Sep 24, 2010	0.595446
Sep 27, 2010	Oct 22, 2010	0.586248
Oct 25, 2010	Nov 24, 2010	0.577021
Nov 26, 2010	Dec 23, 2010	0.562574
Dec 27, 2010 Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	0.561721
Feb 25, 2011	Mar 24, 2011	0.529529
Mar 25, 2011	Apr 22, 2011	0.516746
Apr 25, 2011	May 24, 2011	0.503560
May 25, 2011	Jun 24, 2011	0.493344
Jun 27, 2011	Jul 22, 2011	0.489740
Jul 25, 2011	Aug 24, 2011	0.481474
Aug 25, 2011	Sep 23, 2011	0.467717 0.466754
	P7	0.400/34

1A54 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.453772
Oct 25, 2011	Nov 23, 2011	0.432216
Nov 25, 2011	Dec 23, 2011	0.428040
Dec 27, 2011	Jan 24, 2012	0.427521
Jan 25, 2012	Feb 24, 2012	0.426145
Feb 27, 2012	Mar 23, 2012	0.425889
Mar 26, 2012	Apr 24, 2012	0.419042
Apr 25, 2012	May 24, 2012	0.412144
May 25, 2012	Jun 22, 2012	0.409465
Jun 25, 2012	Jul 24, 2012	0.407541
Jul 25, 2012	Aug 24, 2012	0.405115
Aug 27, 2012	Sep 24, 2012	0.402502
Sep 25, 2012	Oct 24, 2012	0.398139
Oct 25, 2012	Nov 23, 2012	0.392933
Nov 26, 2012	Dec 24, 2012	0.387059
Dec 26, 2012	Jan 24, 2013	0.380927
Jan 25, 2013	Feb 22, 2013	0.374213
Feb 25, 2013	Mar 22, 2013	0.372443
Mar 25, 2013	Apr 24, 2013	0.368845
Apr 25, 2013	May 24, 2013	0.365808
May 28, 2013	Jun 24, 2013	0.363776
Jun 25, 2013	Jul 24, 2013	0.355223
Jul 25, 2013	Aug 23, 2013	0.348483
Aug 26, 2013	Sep 24, 2013	0.344729
Sep 25, 2013	Oct 24, 2013	0.344027
Oct 25, 2013	Nov 22, 2013	0.340904
Nov 25, 2013	Dec 24, 2013	0.338376
Dec 26, 2013	Jan 24, 2014	0.332089
Jan 27, 2014	Feb 24, 2014	0.324705
Feb 25, 2014	Mar 24, 2014	0.321064
Mar 25, 2014	Apr 24, 2014	0.320794
Apr 25, 2014	May 23, 2014	0.318669
May 27, 2014	Jun 24, 2014	0.318762
Jun 25, 2014	Jul 24, 2014	0.316474
Jul 25, 2014	Aug 22, 2014	0.310365
Aug 25, 2014	Sep 24, 2014	0.303014
Sep 25, 2014	Oct 24, 2014	0.301939
Oct 27, 2014	Nov 24, 2014	0.300187
Nov 25, 2014	Dec 24, 2014	0.293503
Dec 26, 2014	Jan 23, 2015	0.285567
Jan 26, 2015	Feb 24, 2015	0.282053
Feb 25, 2015	Mar 24, 2015	0.282048
Mar 25, 2015	Apr 24, 2015	0.280296
Apr 27, 2015	May 22, 2015	0.271650
May 26, 2015	Jun 24, 2015	0.268063
Jun 25, 2015		0.266411

1A55 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A55 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.996782
Feb 27, 2012	Mar 23, 2012	0.996182
Mar 26, 2012	Apr 24, 2012	0.980166
Apr 25, 2012	May 24, 2012	0.964033
May 25, 2012	Jun 22, 2012	0.957767
Jun 25, 2012	Jul 24, 2012	0.953265
Jul 25, 2012	Aug 24, 2012	0.947591
Aug 27, 2012	Sep 24, 2012	0.941480
Sep 25, 2012	Oct 24, 2012	0.931274
Oct 25, 2012	Nov 23, 2012	0.919096
Nov 26, 2012	Dec 24, 2012	0.905358
Dec 26, 2012	Jan 24, 2013	0.891013
Jan 25, 2013	Feb 22, 2013	0.875310
Feb 25, 2013	Mar 22, 2013	0.871169
Mar 25, 2013	Apr 24, 2013	0.862753
Apr 25, 2013	May 24, 2013	0.855650
May 28, 2013	Jun 24, 2013	0.850896
Jun 25, 2013	Jul 24, 2013	0.830892
Jul 25, 2013	Aug 23, 2013	0.815125
Aug 26, 2013	Sep 24, 2013	0.806343
Sep 25, 2013	Oct 24, 2013	0.804701
Oct 25, 2013	Nov 22, 2013	0.797398
Nov 25, 2013	Dec 24, 2013	0.791483
Dec 26, 2013	Jan 24, 2014	0.776779
Jan 27, 2014	Feb 24, 2014	0.759506
Feb 25, 2014	Mar 24, 2014	0.750989
Mar 25, 2014	Apr 24, 2014	0.750359
Apr 25, 2014	May 23, 2014	0.745388
May 27, 2014	Jun 24, 2014	0.745607
Jun 25, 2014	Jul 24, 2014	0.740255
Jul 25, 2014	Aug 22, 2014	0.725965
Aug 25, 2014	Sep 24, 2014	0.708769
Sep 25, 2014	Oct 24, 2014	0.706255
Oct 27, 2014	Nov 24, 2014	0.702157
Nov 25, 2014	Dec 24, 2014	0.686523
Dec 26, 2014	Jan 23, 2015	0.667961
Jan 26, 2015	Feb 24, 2015	0.659742
Feb 25, 2015	Mar 24, 2015	0.659729
Mar 25, 2015	Apr 24, 2015	0.655632
Apr 27, 2015	May 22, 2015	0.635407
May 26, 2015	Jun 24, 2015	0.627017
Jun 25, 2015		0.623154

1A56 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A56 Certificate Factor Chart

1A57 Certificate Factor Chart

From	То	<u>Factor</u>
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A57 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.996782
Feb 27, 2012	Mar 23, 2012	0.996182
Mar 26, 2012	Apr 24, 2012	0.980166
Apr 25, 2012	May 24, 2012	0.964033
May 25, 2012	Jun 22, 2012	0.957767
Jun 25, 2012	Jul 24, 2012	0.953265
Jul 25, 2012	Aug 24, 2012	0.947591
Aug 27, 2012	Sep 24, 2012	0.941480
Sep 25, 2012	Oct 24, 2012	0.931274
Oct 25, 2012	Nov 23, 2012	0.919096
Nov 26, 2012	Dec 24, 2012	0.905358
Dec 26, 2012	Jan 24, 2013	0.891013
Jan 25, 2013	Feb 22, 2013	0.875310
Feb 25, 2013	Mar 22, 2013	0.871169
Mar 25, 2013	Apr 24, 2013	0.862753
Apr 25, 2013	May 24, 2013	0.855650
May 28, 2013	Jun 24, 2013	0.850896
Jun 25, 2013	Jul 24, 2013	0.830892
Jul 25, 2013	Aug 23, 2013	0.815125
Aug 26, 2013	Sep 24, 2013	0.806343
Sep 25, 2013	Oct 24, 2013	0.804701
Oct 25, 2013	Nov 22, 2013	0.797398
Nov 25, 2013	Dec 24, 2013	0.791483
Dec 26, 2013	Jan 24, 2014	0.776779
Jan 27, 2014	Feb 24, 2014	0.759506
Feb 25, 2014	Mar 24, 2014	0.750989
Mar 25, 2014	Apr 24, 2014	0.750359
Apr 25, 2014	May 23, 2014	0.745388
May 27, 2014	Jun 24, 2014	0.745607
Jun 25, 2014	Jul 24, 2014	0.740255
Jul 25, 2014	Aug 22, 2014	0.725965
Aug 25, 2014	Sep 24, 2014	0.708769
Sep 25, 2014	Oct 24, 2014	0.706255
Oct 27, 2014	Nov 24, 2014	0.702157
Nov 25, 2014	Dec 24, 2014	0.686523
Dec 26, 2014	Jan 23, 2015	0.667961
Jan 26, 2015	Feb 24, 2015	0.659742
Feb 25, 2015	Mar 24, 2015	0.659729
Mar 25, 2015	Apr 24, 2015	0.655632
Apr 27, 2015	May 22, 2015	0.635407
May 26, 2015	Jun 24, 2015	0.627017
Jun 25, 2015		0.623154

1A58 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A58 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.00000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.996782
Feb 27, 2012	Mar 23, 2012	0.996182
Mar 26, 2012	Apr 24, 2012	0.980166
Apr 25, 2012	May 24, 2012	0.964033
May 25, 2012	Jun 22, 2012	0.957767
Jun 25, 2012	Jul 24, 2012	0.953265
Jul 25, 2012	Aug 24, 2012	0.947591
Aug 27, 2012	Sep 24, 2012	0.941480
Sep 25, 2012	Oct 24, 2012	0.931274
Oct 25, 2012	Nov 23, 2012	0.919096
Nov 26, 2012	Dec 24, 2012	0.905358
Dec 26, 2012	Jan 24, 2013	0.891013
Jan 25, 2013	Feb 22, 2013	0.875310
Feb 25, 2013	Mar 22, 2013	0.871169
Mar 25, 2013	Apr 24, 2013	0.862753
Apr 25, 2013	May 24, 2013	0.855650
May 28, 2013	Jun 24, 2013	0.850896
Jun 25, 2013	Jul 24, 2013	0.830892
Jul 25, 2013	Aug 23, 2013	0.815125
Aug 26, 2013	Sep 24, 2013	0.806343
Sep 25, 2013	Oct 24, 2013	0.804701
Oct 25, 2013	Nov 22, 2013	0.797398
Nov 25, 2013	Dec 24, 2013	0.791483
Dec 26, 2013	Jan 24, 2014	0.776779
Jan 27, 2014	Feb 24, 2014	0.759506
Feb 25, 2014	Mar 24, 2014	0.750989
Mar 25, 2014	Apr 24, 2014	0.750359
Apr 25, 2014	May 23, 2014	0.745388
May 27, 2014	Jun 24, 2014	0.745607
Jun 25, 2014	Jul 24, 2014	0.740255
Jul 25, 2014	Aug 22, 2014	0.725965
Aug 25, 2014	Sep 24, 2014	0.708769
Sep 25, 2014	Oct 24, 2014	0.706255
Oct 27, 2014	Nov 24, 2014	0.702157
Nov 25, 2014	Dec 24, 2014	0.686523
Dec 26, 2014	Jan 23, 2015	0.667961
Jan 26, 2015	Feb 24, 2015	0.659742
Feb 25, 2015	Mar 24, 2015	0.659729
Mar 25, 2015	Apr 24, 2015	0.655632
Apr 27, 2015	May 22, 2015	0.635407
May 26, 2015	Jun 24, 2015	0.627017
Jun 25, 2015		0.623154

1A59 Certificate Factor Chart

From	То	Factor
<u></u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.998190
Sep 25, 2007	Oct 24, 2007	0.991263
Oct 25, 2007	Nov 23, 2007	0.985774
Nov 26, 2007	Dec 24, 2007	0.980053
Dec 26, 2007	Jan 24, 2008	0.979440
Jan 25, 2008	Feb 22, 2008	0.971695
Feb 25, 2008	Mar 24, 2008	0.962080
Mar 25, 2008	Apr 24, 2008	0.956615
Apr 25, 2008	May 23, 2008	0.946785
May 27, 2008	Jun 24, 2008	0.941877
Jun 25, 2008	Jul 24, 2008	0.929517
Jul 25, 2008	Aug 22, 2008	0.916411
Aug 25, 2008	Sep 24, 2008	0.912986
Sep 25, 2008	Oct 24, 2008	0.911908
Oct 27, 2008	Nov 24, 2008	0.910568
Nov 25, 2008	Dec 24, 2008	0.907721
Dec 26, 2008	Jan 23, 2009	0.904433
Jan 26, 2009	Feb 24, 2009	0.899079
Feb 25, 2009	Mar 24, 2009	0.892875
Mar 25, 2009	Apr 24, 2009	0.888652
Apr 27, 2009	May 22, 2009	0.884483
May 26, 2009	Jun 24, 2009	0.879050
Jun 25, 2009	Jul 24, 2009	0.877724
Jul 27, 2009	Aug 24, 2009	0.864610
Aug 25, 2009	Sep 24, 2009	0.855954
Sep 25, 2009	Oct 23, 2009	0.849063
Oct 26, 2009	Nov 24, 2009	0.843711
Nov 25, 2009	Dec 24, 2009	0.838151
Dec 28, 2009	Jan 22, 2010	0.830823
Jan 25, 2010	Feb 24, 2010	0.828405
Feb 25, 2010	Mar 24, 2010	0.823032
Mar 25, 2010	Apr 23, 2010	0.818316
Apr 26, 2010	May 24, 2010	0.806551
May 25, 2010	Jun 24, 2010	0.805562
Jun 25, 2010	Jul 23, 2010	0.799828
Jul 26, 2010	Aug 24, 2010	0.797766
Aug 25, 2010	Sep 24, 2010	0.783336
Sep 27, 2010	Oct 22, 2010	0.778410
Oct 25, 2010	Nov 24, 2010	0.773468
Nov 26, 2010	Dec 23, 2010	0.765731
Dec 27, 2010	Jan 24, 2011	0.765274
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.748033
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.741187
Apr 25, 2011	May 24, 2011	0.734125
May 25, 2011	Jun 24, 2011	0.728654
Jun 27, 2011	Jul 22, 2011	0.726724
Jul 25, 2011	Aug 24, 2011	0.722297
Aug 25, 2011	Sep 23, 2011	0.714929
	30p 23, 2011	0.714414

1A59 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.707461
Oct 25, 2011	Nov 23, 2011	0.695916
Nov 25, 2011	Dec 23, 2011	0.693679
Dec 27, 2011	Jan 24, 2012	0.693402
Jan 25, 2012	Feb 24, 2012	0.645382
Feb 27, 2012	Mar 23, 2012	0.410471
Mar 26, 2012	Apr 24, 2012	0.324621
Apr 25, 2012	May 24, 2012	0.231244
May 25, 2012	Jun 22, 2012	0.199188
Jun 25, 2012	Jul 24, 2012	0.058454
Jul 25, 2012	Aug 24, 2012	0.007579
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A60 Certificate Factor Chart

From	То	<u>Factor</u>
<u>110111</u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997867
Sep 25, 2007	Oct 24, 2007	0.989233
Oct 25, 2007	Nov 23, 2007	0.985019
Nov 26, 2007	Dec 24, 2007	0.977917
Dec 26, 2007	Jan 24, 2008	0.977289
Jan 25, 2008	Feb 22, 2008	0.969687
Feb 25, 2008	Mar 24, 2008	0.960801
Mar 25, 2008	Apr 24, 2008	0.955785
Apr 25, 2008	May 23, 2008	0.945137
May 27, 2008	Jun 24, 2008	0.939725
Jun 25, 2008	Jul 24, 2008	0.927190
Jul 25, 2008	Aug 22, 2008	0.915327
Aug 25, 2008	Sep 24, 2008	0.912632
Sep 25, 2008	Oct 24, 2008	0.911411
Oct 27, 2008	Nov 24, 2008	0.910280
Nov 25, 2008	Dec 24, 2008	0.906808
Dec 26, 2008	Jan 23, 2009	0.902797
Jan 26, 2009	Feb 24, 2009	0.898645
Feb 25, 2009	Mar 24, 2009	0.890927
Mar 25, 2009	Apr 24, 2009	0.886478
Apr 27, 2009	May 22, 2009	0.880423
May 26, 2009	Jun 24, 2009	0.874869
Jun 25, 2009	Jul 24, 2009	0.873341
Jul 27, 2009	Aug 24, 2009	0.859863
Aug 25, 2009	Sep 24, 2009	0.849898
Sep 25, 2009	Oct 23, 2009	0.842974
Oct 26, 2009	Nov 24, 2009	0.836327
Nov 25, 2009	Dec 24, 2009	0.830968
Dec 28, 2009	Jan 22, 2010	0.823475
Jan 25, 2010	Feb 24, 2010	0.821559
Feb 25, 2010	Mar 24, 2010	0.814877
Mar 25, 2010	Apr 23, 2010	0.811411
Apr 26, 2010	May 24, 2010	0.800665
May 25, 2010	Jun 24, 2010	0.798187
Jun 25, 2010	Jul 23, 2010	0.792881
Jul 26, 2010	Aug 24, 2010	0.790742
Aug 25, 2010	Sep 24, 2010	0.779145
Sep 27, 2010	Oct 22, 2010	0.774342
Oct 25, 2010	Nov 24, 2010	0.767875
Nov 26, 2010	Dec 23, 2010	0.758689
Dec 27, 2010	Jan 24, 2011	0.757962
Jan 25, 2011	Feb 24, 2011	0.738694
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.732280
Apr 25, 2011	May 24, 2011	0.726843
May 25, 2011	Jun 24, 2011	0.722650
Jun 27, 2011	Jul 22, 2011	0.720422
Jul 25, 2011	Aug 24, 2011	0.716654
Aug 25, 2011	Sep 23, 2011	0.708189
		0.707570

1A60 Certificate Factor Chart

From Sep 26, 2011	<u>To</u> Oct 24, 2011	<u>Factor</u>
Oct 25, 2011	Nov 23, 2011	0.701844
Nov 25, 2011	Dec 23, 2011	0.687957
Dec 27, 2011	Jan 24, 2012	0.686169
Jan 25, 2012	Feb 24, 2012	0.685905
Feb 27, 2012	Mar 23, 2012	0.683842
Mar 26, 2012	Apr 24, 2012	0.683413
Apr 25, 2012	May 24, 2012	0.671851
May 25, 2012	Jun 22, 2012	0.662374
Jun 25, 2012	Jul 24, 2012	0.658342
Jul 25, 2012	Aug 24, 2012	0.652733
Aug 27, 2012	Sep 24, 2012	0.647134
Sep 25, 2012	Oct 24, 2012	0.643331
	Nov 23, 2012	0.636673
Oct 25, 2012		0.626152
Nov 26, 2012	Dec 24, 2012	0.616499
Dec 26, 2012	Jan 24, 2013	0.606559
Jan 25, 2013	Feb 22, 2013	0.595341
Feb 25, 2013	Mar 22, 2013	0.591076
Mar 25, 2013	Apr 24, 2013	0.585483
Apr 25, 2013	May 24, 2013	0.580032
May 28, 2013	Jun 24, 2013	0.576008
Jun 25, 2013	Jul 24, 2013	0.560264
Jul 25, 2013	Aug 23, 2013	0.548503
Aug 26, 2013	Sep 24, 2013	0.543103
Sep 25, 2013	Oct 24, 2013	0.541417
Oct 25, 2013	Nov 22, 2013	0.536795
Nov 25, 2013	Dec 24, 2013	0.531787
Dec 26, 2013	Jan 24, 2014	0.524148
Jan 27, 2014	Feb 24, 2014	0.513044
Feb 25, 2014	Mar 24, 2014	0.506180
Mar 25, 2014	Apr 24, 2014	0.505671
Apr 25, 2014	May 23, 2014	0.502270
May 27, 2014	Jun 24, 2014	0.502372
Jun 25, 2014	Jul 24, 2014	0.499516
Jul 25, 2014	Aug 22, 2014	0.490500
Aug 25, 2014	Sep 24, 2014	0.480325
Sep 25, 2014	Oct 24, 2014	0.478060
Oct 27, 2014	Nov 24, 2014	0.474585
Nov 25, 2014	Dec 24, 2014	0.465658
Dec 26, 2014	Jan 23, 2015	0.456010
Jan 26, 2015	Feb 24, 2015	0.449079
Feb 25, 2015	Mar 24, 2015	0.449073
Mar 25, 2015	Apr 24, 2015	0.445737
Apr 27, 2015	May 22, 2015	0.434007
May 26, 2015	Jun 24, 2015	0.429161
Jun 25, 2015		0.425891

1A61 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997867
Sep 25, 2007	Oct 24, 2007	0.989233
Oct 25, 2007	Nov 23, 2007	0.985019
Nov 26, 2007	Dec 24, 2007	0.977917
Dec 26, 2007	Jan 24, 2008	0.977289
Jan 25, 2008	Feb 22, 2008	0.969687
Feb 25, 2008	Mar 24, 2008	0.960801
Mar 25, 2008	Apr 24, 2008	0.955785
Apr 25, 2008	May 23, 2008	0.945137
May 27, 2008	Jun 24, 2008	0.939725
Jun 25, 2008	Jul 24, 2008	0.927190
Jul 25, 2008	Aug 22, 2008	0.915327
Aug 25, 2008	Sep 24, 2008	0.912632
Sep 25, 2008	Oct 24, 2008	0.911411
Oct 27, 2008	Nov 24, 2008	0.910280
Nov 25, 2008	Dec 24, 2008	0.906808
Dec 26, 2008	Jan 23, 2009	0.902797
Jan 26, 2009	Feb 24, 2009	0.898645
Feb 25, 2009	Mar 24, 2009	0.890927
Mar 25, 2009	Apr 24, 2009	0.886478
Apr 27, 2009	May 22, 2009	0.880423
May 26, 2009	Jun 24, 2009	0.874869
Jun 25, 2009	Jul 24, 2009	0.873341
Jul 27, 2009	Aug 24, 2009	0.859863
Aug 25, 2009	Sep 24, 2009	0.849898
Sep 25, 2009	Oct 23, 2009	0.842974
Oct 26, 2009	Nov 24, 2009	0.836327
Nov 25, 2009	Dec 24, 2009	0.830968
Dec 28, 2009	Jan 22, 2010	0.823475
Jan 25, 2010	Feb 24, 2010	0.821559
Feb 25, 2010	Mar 24, 2010	0.814877
Mar 25, 2010	Apr 23, 2010	0.811411
Apr 26, 2010	May 24, 2010	0.800665
May 25, 2010	Jun 24, 2010	0.798187
Jun 25, 2010	Jul 23, 2010	0.792881
Jul 26, 2010	Aug 24, 2010	0.790742
Aug 25, 2010	Sep 24, 2010	0.779145
Sep 27, 2010	Oct 22, 2010	0.774342
Oct 25, 2010	Nov 24, 2010	0.767875
Nov 26, 2010	Dec 23, 2010	0.758689
Dec 27, 2010	Jan 24, 2011	0.757962
Jan 25, 2011	Feb 24, 2011	0.738694
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.732280
	May 24, 2011	0.726843
Apr 25, 2011 May 25, 2011	Jun 24, 2011	0.722650
Jun 27, 2011	Jul 22, 2011	0.720422
Jul 25, 2011	Aug 24, 2011	0.716654
Aug 25, 2011	Sep 23, 2011	0.708189
, 105 23, 2011	JCP 23, 2011	0.707570

1A61 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.701844
Oct 25, 2011	Nov 23, 2011	0.687957
Nov 25, 2011	Dec 23, 2011	0.686169
Dec 27, 2011	Jan 24, 2012	0.685905
Jan 25, 2012	Feb 24, 2012	0.683842
Feb 27, 2012	Mar 23, 2012	0.683413
Mar 26, 2012	Apr 24, 2012	0.671851
Apr 25, 2012	May 24, 2012	0.662374
May 25, 2012	Jun 22, 2012	0.658342
Jun 25, 2012	Jul 24, 2012	0.652733
Jul 25, 2012	Aug 24, 2012	0.647134
Aug 27, 2012	Sep 24, 2012	0.643331
Sep 25, 2012	Oct 24, 2012	0.636673
Oct 25, 2012	Nov 23, 2012	0.626152
Nov 26, 2012	Dec 24, 2012	0.616499
Dec 26, 2012	Jan 24, 2013	0.606559
Jan 25, 2013	Feb 22, 2013	0.595341
Feb 25, 2013	Mar 22, 2013	0.591076
Mar 25, 2013	Apr 24, 2013	0.585483
Apr 25, 2013	May 24, 2013	0.580032
May 28, 2013	Jun 24, 2013	0.576008
Jun 25, 2013	Jul 24, 2013	0.560264
Jul 25, 2013	Aug 23, 2013	0.548503
Aug 26, 2013	Sep 24, 2013	0.543103
Sep 25, 2013	Oct 24, 2013	0.541417
Oct 25, 2013	Nov 22, 2013	0.536795
Nov 25, 2013	Dec 24, 2013	0.531787
Dec 26, 2013	Jan 24, 2014	0.524148
Jan 27, 2014	Feb 24, 2014	0.513044
Feb 25, 2014	Mar 24, 2014	0.506180
Mar 25, 2014	Apr 24, 2014	0.505671
Apr 25, 2014	May 23, 2014	0.502270
May 27, 2014	Jun 24, 2014	0.502372
Jun 25, 2014	Jul 24, 2014	0.499516
Jul 25, 2014	Aug 22, 2014	0.490500
Aug 25, 2014	Sep 24, 2014	0.480325
Sep 25, 2014	Oct 24, 2014	0.478060
Oct 27, 2014	Nov 24, 2014	0.474585
Nov 25, 2014	Dec 24, 2014	0.465658
Dec 26, 2014	Jan 23, 2015	0.456010
Jan 26, 2015 Feb 25, 2015	Feb 24, 2015 Mar 24, 2015	0.449079
Mar 25, 2015	Apr 24, 2015	0.449073
Apr 27, 2015	May 22, 2015	0.445737
May 26, 2015	Jun 24, 2015	0.434007
Jun 25, 2015	Juli 27, 2013	0.429161
Jun 23, 2013		0.425891

1A62 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997867
Sep 25, 2007	Oct 24, 2007	0.989233
Oct 25, 2007	Nov 23, 2007	0.985019
Nov 26, 2007	Dec 24, 2007	0.977917
Dec 26, 2007	Jan 24, 2008	0.977289
Jan 25, 2008	Feb 22, 2008	0.969687
Feb 25, 2008	Mar 24, 2008	0.960801
Mar 25, 2008	Apr 24, 2008	0.955785
Apr 25, 2008	May 23, 2008	0.945137
May 27, 2008	Jun 24, 2008	0.939725
Jun 25, 2008	Jul 24, 2008	0.927190
Jul 25, 2008	Aug 22, 2008	0.915327
Aug 25, 2008	Sep 24, 2008	0.912632
Sep 25, 2008	Oct 24, 2008	0.911411
Oct 27, 2008	Nov 24, 2008	0.910280
Nov 25, 2008	Dec 24, 2008	0.906808
Dec 26, 2008	Jan 23, 2009	0.902797
Jan 26, 2009	Feb 24, 2009	0.898645
Feb 25, 2009	Mar 24, 2009	0.890927
Mar 25, 2009	Apr 24, 2009	0.886478
Apr 27, 2009	May 22, 2009	0.880423
May 26, 2009	Jun 24, 2009	0.874869
Jun 25, 2009	Jul 24, 2009	0.873341
Jul 27, 2009	Aug 24, 2009	0.859863
Aug 25, 2009	Sep 24, 2009	0.849898
Sep 25, 2009	Oct 23, 2009	0.842974
Oct 26, 2009	Nov 24, 2009	0.836327
Nov 25, 2009	Dec 24, 2009	0.830968
Dec 28, 2009	Jan 22, 2010	0.823475
Jan 25, 2010	Feb 24, 2010	0.821559
Feb 25, 2010	Mar 24, 2010	0.814877
Mar 25, 2010	Apr 23, 2010	0.811411
Apr 26, 2010	May 24, 2010	0.800665
May 25, 2010	Jun 24, 2010	0.798187
Jun 25, 2010	Jul 23, 2010	0.792881
Jul 26, 2010	Aug 24, 2010	0.790742
Aug 25, 2010	Sep 24, 2010	0.779145
Sep 27, 2010	Oct 22, 2010	0.774342
Oct 25, 2010	Nov 24, 2010	0.767875
Nov 26, 2010	Dec 23, 2010	0.758689
Dec 27, 2010	Jan 24, 2011	0.757962
Jan 25, 2011	Feb 24, 2011	0.738694
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.732280
	May 24, 2011	0.726843
Apr 25, 2011 May 25, 2011	Jun 24, 2011	0.722650
Jun 27, 2011	Jul 22, 2011	0.720422
Jul 25, 2011	Aug 24, 2011	0.716654
Aug 25, 2011	Sep 23, 2011	0.708189
, 105 23, 2011	JCP 23, 2011	0.707570

1A62 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.701844
Oct 25, 2011	Nov 23, 2011	0.687957
Nov 25, 2011	Dec 23, 2011	0.686169
Dec 27, 2011	Jan 24, 2012	0.685905
Jan 25, 2012	Feb 24, 2012	0.639229
Feb 27, 2012	Mar 23, 2012	0.350475
Mar 26, 2012	Apr 24, 2012	0.277306
Apr 25, 2012	May 24, 2012	0.175729
May 25, 2012	Jun 22, 2012	0.143614
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A63 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997867
Sep 25, 2007	Oct 24, 2007	0.989233
Oct 25, 2007	Nov 23, 2007	0.985019
Nov 26, 2007	Dec 24, 2007	0.977917
Dec 26, 2007	Jan 24, 2008	0.977289
Jan 25, 2008	Feb 22, 2008	0.969687
Feb 25, 2008	Mar 24, 2008	0.960801
Mar 25, 2008	Apr 24, 2008	0.955785
Apr 25, 2008	May 23, 2008	0.945137
May 27, 2008	Jun 24, 2008	0.939725
Jun 25, 2008	Jul 24, 2008	0.927190
Jul 25, 2008	Aug 22, 2008	0.915327
Aug 25, 2008	Sep 24, 2008	0.912632
Sep 25, 2008	Oct 24, 2008	0.911411
Oct 27, 2008	Nov 24, 2008	0.910280
Nov 25, 2008	Dec 24, 2008	0.906808
Dec 26, 2008	Jan 23, 2009	0.902797
Jan 26, 2009	Feb 24, 2009	0.898645
Feb 25, 2009	Mar 24, 2009	0.890927
Mar 25, 2009	Apr 24, 2009	0.886478
Apr 27, 2009	May 22, 2009	0.880423
May 26, 2009	Jun 24, 2009	0.874869
Jun 25, 2009	Jul 24, 2009	0.873341
Jul 27, 2009	Aug 24, 2009	0.859863
Aug 25, 2009	Sep 24, 2009	0.849898
Sep 25, 2009	Oct 23, 2009	0.842974
Oct 26, 2009	Nov 24, 2009	0.836327
Nov 25, 2009	Dec 24, 2009	0.830968
Dec 28, 2009	Jan 22, 2010	0.823475
Jan 25, 2010	Feb 24, 2010	0.821559
Feb 25, 2010	Mar 24, 2010	0.814877
Mar 25, 2010	Apr 23, 2010	0.811411
Apr 26, 2010	May 24, 2010	0.800665
May 25, 2010	Jun 24, 2010	0.798187
Jun 25, 2010	Jul 23, 2010	0.792881
Jul 26, 2010	Aug 24, 2010	0.790742
Aug 25, 2010	Sep 24, 2010	0.779145
Sep 27, 2010	Oct 22, 2010	0.774342
Oct 25, 2010	Nov 24, 2010	0.767875
Nov 26, 2010	Dec 23, 2010	0.758689
Dec 27, 2010	Jan 24, 2011	0.757962
Jan 25, 2011	Feb 24, 2011	0.738694
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.732280
	May 24, 2011	0.726843
Apr 25, 2011 May 25, 2011	Jun 24, 2011	0.722650
Jun 27, 2011	Jul 22, 2011	0.720422
Jul 25, 2011	Aug 24, 2011	0.716654
Aug 25, 2011	Sep 23, 2011	0.708189
, 105 23, 2011	JCP 23, 2011	0.707570

1A63 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.701844
Oct 25, 2011	Nov 23, 2011	0.687957
Nov 25, 2011	Dec 23, 2011	0.686169
Dec 27, 2011	Jan 24, 2012	0.685905
Jan 25, 2012	Feb 24, 2012	0.639229
Feb 27, 2012	Mar 23, 2012	0.350475
Mar 26, 2012	Apr 24, 2012	0.277306
Apr 25, 2012	May 24, 2012	0.175729
May 25, 2012	Jun 22, 2012	0.143614
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A64 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997867
Sep 25, 2007	Oct 24, 2007	0.989233
Oct 25, 2007	Nov 23, 2007	0.985019
Nov 26, 2007	Dec 24, 2007	0.977917
Dec 26, 2007	Jan 24, 2008	0.977289
Jan 25, 2008	Feb 22, 2008	0.969687
Feb 25, 2008	Mar 24, 2008	0.960801
Mar 25, 2008	Apr 24, 2008	0.955785
Apr 25, 2008	May 23, 2008	0.945137
May 27, 2008	Jun 24, 2008	0.939725
Jun 25, 2008	Jul 24, 2008	0.927190
Jul 25, 2008	Aug 22, 2008	0.915327
Aug 25, 2008	Sep 24, 2008	0.912632
Sep 25, 2008	Oct 24, 2008	0.911411
Oct 27, 2008	Nov 24, 2008	0.910280
Nov 25, 2008	Dec 24, 2008	0.906808
Dec 26, 2008	Jan 23, 2009	0.902797
Jan 26, 2009	Feb 24, 2009	0.898645
Feb 25, 2009	Mar 24, 2009	0.890927
Mar 25, 2009	Apr 24, 2009	0.886478
Apr 27, 2009	May 22, 2009	0.880423
May 26, 2009	Jun 24, 2009	0.874869
Jun 25, 2009	Jul 24, 2009	0.873341
Jul 27, 2009	Aug 24, 2009	0.859863
Aug 25, 2009	Sep 24, 2009	0.849898
Sep 25, 2009	Oct 23, 2009	0.842974
Oct 26, 2009	Nov 24, 2009	0.836327
Nov 25, 2009	Dec 24, 2009	0.830968
Dec 28, 2009	Jan 22, 2010	0.823475
Jan 25, 2010	Feb 24, 2010	0.821559
Feb 25, 2010	Mar 24, 2010	0.814877
Mar 25, 2010	Apr 23, 2010	0.811411
Apr 26, 2010	May 24, 2010	0.800665
May 25, 2010	Jun 24, 2010	0.798187
Jun 25, 2010	Jul 23, 2010	0.792881
Jul 26, 2010	Aug 24, 2010	0.790742
Aug 25, 2010	Sep 24, 2010	0.779145
Sep 27, 2010	Oct 22, 2010	0.774342
Oct 25, 2010	Nov 24, 2010	0.767875
Nov 26, 2010	Dec 23, 2010	0.758689
Dec 27, 2010	Jan 24, 2011	0.757962
Jan 25, 2011	Feb 24, 2011	0.738694
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.732280
	May 24, 2011	0.726843
Apr 25, 2011 May 25, 2011	Jun 24, 2011	0.722650
Jun 27, 2011	Jul 22, 2011	0.720422
Jul 25, 2011	Aug 24, 2011	0.716654
Aug 25, 2011	Sep 23, 2011	0.708189
, 105 23, 2011	JCP 23, 2011	0.707570

1A64 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.701844
Oct 25, 2011	Nov 23, 2011	0.687957
Nov 25, 2011	Dec 23, 2011	0.686169
Dec 27, 2011	Jan 24, 2012	0.685905
Jan 25, 2012	Feb 24, 2012	0.683842
Feb 27, 2012	Mar 23, 2012	0.683413
Mar 26, 2012	Apr 24, 2012	0.671851
Apr 25, 2012	May 24, 2012	0.662374
May 25, 2012	Jun 22, 2012	0.658342
Jun 25, 2012	Jul 24, 2012	0.652733
Jul 25, 2012	Aug 24, 2012	0.647134
Aug 27, 2012	Sep 24, 2012	0.643331
Sep 25, 2012	Oct 24, 2012	0.636673
Oct 25, 2012	Nov 23, 2012	0.626152
Nov 26, 2012	Dec 24, 2012	0.616499
Dec 26, 2012	Jan 24, 2013	0.606559
Jan 25, 2013	Feb 22, 2013	0.595341
Feb 25, 2013	Mar 22, 2013	0.591076
Mar 25, 2013	Apr 24, 2013	0.585483
Apr 25, 2013	May 24, 2013	0.580032
May 28, 2013	Jun 24, 2013	0.576008
Jun 25, 2013	Jul 24, 2013	0.560264
Jul 25, 2013	Aug 23, 2013	0.548503
Aug 26, 2013	Sep 24, 2013	0.543103
Sep 25, 2013	Oct 24, 2013	0.541417
Oct 25, 2013	Nov 22, 2013	0.536795
Nov 25, 2013	Dec 24, 2013	0.531787
Dec 26, 2013	Jan 24, 2014	0.524148
Jan 27, 2014	Feb 24, 2014	0.513044
Feb 25, 2014	Mar 24, 2014	0.506180
Mar 25, 2014	Apr 24, 2014	0.505671
Apr 25, 2014	May 23, 2014	0.502270
May 27, 2014	Jun 24, 2014	0.502372
Jun 25, 2014	Jul 24, 2014	0.499516
Jul 25, 2014	Aug 22, 2014	0.490500
Aug 25, 2014	Sep 24, 2014	0.480325
Sep 25, 2014	Oct 24, 2014	0.478060
Oct 27, 2014	Nov 24, 2014	0.474585
Nov 25, 2014	Dec 24, 2014	0.465658
Dec 26, 2014	Jan 23, 2015	0.456010
Jan 26, 2015	Feb 24, 2015	0.449079
Feb 25, 2015	Mar 24, 2015	0.449073
Mar 25, 2015	Apr 24, 2015	0.445737
Apr 27, 2015	May 22, 2015	0.434007
May 26, 2015	Jun 24, 2015	0.429161
Jun 25, 2015		0.425891

1A65 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997867
Sep 25, 2007	Oct 24, 2007	0.989233
Oct 25, 2007	Nov 23, 2007	0.985019
Nov 26, 2007	Dec 24, 2007	0.977917
Dec 26, 2007	Jan 24, 2008	0.977289
Jan 25, 2008	Feb 22, 2008	0.969687
Feb 25, 2008	Mar 24, 2008	0.960801
Mar 25, 2008	Apr 24, 2008	0.955785
Apr 25, 2008	May 23, 2008	0.945137
May 27, 2008	Jun 24, 2008	0.939725
Jun 25, 2008	Jul 24, 2008	0.927190
Jul 25, 2008	Aug 22, 2008	0.915327
Aug 25, 2008	Sep 24, 2008	0.912632
Sep 25, 2008	Oct 24, 2008	0.911411
Oct 27, 2008	Nov 24, 2008	0.910280
Nov 25, 2008	Dec 24, 2008	0.906808
Dec 26, 2008	Jan 23, 2009	0.902797
Jan 26, 2009	Feb 24, 2009	0.898645
Feb 25, 2009	Mar 24, 2009	0.890927
Mar 25, 2009	Apr 24, 2009	0.886478
Apr 27, 2009	May 22, 2009	0.880423
May 26, 2009	Jun 24, 2009	0.874869
Jun 25, 2009	Jul 24, 2009	0.873341
Jul 27, 2009	Aug 24, 2009	0.859863
Aug 25, 2009	Sep 24, 2009	0.849898
Sep 25, 2009	Oct 23, 2009	0.842974
Oct 26, 2009	Nov 24, 2009	0.836327
Nov 25, 2009	Dec 24, 2009	0.830968
Dec 28, 2009	Jan 22, 2010	0.823475
Jan 25, 2010	Feb 24, 2010	0.821559
Feb 25, 2010	Mar 24, 2010	0.814877
Mar 25, 2010	Apr 23, 2010	0.811411
Apr 26, 2010	May 24, 2010	0.800665
May 25, 2010	Jun 24, 2010	0.798187
Jun 25, 2010	Jul 23, 2010	0.792881
Jul 26, 2010	Aug 24, 2010	0.790742
Aug 25, 2010	Sep 24, 2010	0.779145
Sep 27, 2010	Oct 22, 2010	0.774342
Oct 25, 2010	Nov 24, 2010	0.767875
Nov 26, 2010	Dec 23, 2010	0.758689
Dec 27, 2010	Jan 24, 2011	0.757962
Jan 25, 2011	Feb 24, 2011	0.738694
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.732280
	May 24, 2011	0.726843
Apr 25, 2011 May 25, 2011	Jun 24, 2011	0.722650
Jun 27, 2011	Jul 22, 2011	0.720422
Jul 25, 2011	Aug 24, 2011	0.716654
Aug 25, 2011	Sep 23, 2011	0.708189
, 105 23, 2011	JCP 23, 2011	0.707570

1A65 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.701844
Oct 25, 2011	Nov 23, 2011	0.687957
Nov 25, 2011	Dec 23, 2011	0.686169
Dec 27, 2011	Jan 24, 2012	0.685905
Jan 25, 2012	Feb 24, 2012	0.639229
Feb 27, 2012	Mar 23, 2012	0.350475
Mar 26, 2012	Apr 24, 2012	0.277306
Apr 25, 2012	May 24, 2012	0.175729
May 25, 2012	Jun 22, 2012	0.143614
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A66 Certificate Factor Chart

From	То	<u>Factor</u>
<u>110111</u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997867
Sep 25, 2007	Oct 24, 2007	0.989233
Oct 25, 2007	Nov 23, 2007	0.985019
Nov 26, 2007	Dec 24, 2007	0.977917
Dec 26, 2007	Jan 24, 2008	0.977289
Jan 25, 2008	Feb 22, 2008	0.969687
Feb 25, 2008	Mar 24, 2008	0.960801
Mar 25, 2008	Apr 24, 2008	0.955785
Apr 25, 2008	May 23, 2008	0.945137
May 27, 2008	Jun 24, 2008	0.939725
Jun 25, 2008	Jul 24, 2008	0.927190
Jul 25, 2008	Aug 22, 2008	0.915327
Aug 25, 2008	Sep 24, 2008	0.912632
Sep 25, 2008	Oct 24, 2008	0.911411
Oct 27, 2008	Nov 24, 2008	0.910280
Nov 25, 2008	Dec 24, 2008	0.906808
Dec 26, 2008	Jan 23, 2009	0.902797
Jan 26, 2009	Feb 24, 2009	0.898645
Feb 25, 2009	Mar 24, 2009	0.890927
Mar 25, 2009	Apr 24, 2009	0.886478
Apr 27, 2009	May 22, 2009	0.880423
May 26, 2009	Jun 24, 2009	0.874869
Jun 25, 2009	Jul 24, 2009	0.873341
Jul 27, 2009	Aug 24, 2009	0.859863
Aug 25, 2009	Sep 24, 2009	0.849898
Sep 25, 2009	Oct 23, 2009	0.842974
Oct 26, 2009	Nov 24, 2009	0.836327
Nov 25, 2009	Dec 24, 2009	0.830968
Dec 28, 2009	Jan 22, 2010	0.823475
Jan 25, 2010	Feb 24, 2010	0.821559
Feb 25, 2010	Mar 24, 2010	0.814877
Mar 25, 2010	Apr 23, 2010	0.811411
Apr 26, 2010	May 24, 2010	0.800665
May 25, 2010	Jun 24, 2010	0.798187
Jun 25, 2010	Jul 23, 2010	0.792881
Jul 26, 2010	Aug 24, 2010	0.790742
Aug 25, 2010	Sep 24, 2010	0.779145
Sep 27, 2010	Oct 22, 2010	0.774342
Oct 25, 2010	Nov 24, 2010	0.767875
Nov 26, 2010	Dec 23, 2010	0.758689
Dec 27, 2010	Jan 24, 2011	0.757962
Jan 25, 2011	Feb 24, 2011	0.738694
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.732280
Apr 25, 2011	May 24, 2011	0.726843
May 25, 2011	Jun 24, 2011	0.722650
Jun 27, 2011	Jul 22, 2011	0.720422
Jul 25, 2011	Aug 24, 2011	0.716654
Aug 25, 2011	Sep 23, 2011	0.708189
		0.707570

1A66 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.701844
Oct 25, 2011	Nov 23, 2011	0.687957
Nov 25, 2011	Dec 23, 2011	0.686169
Dec 27, 2011	Jan 24, 2012	0.685905
Jan 25, 2012	Feb 24, 2012	0.682166
Feb 27, 2012	Mar 23, 2012	0.670906
Mar 26, 2012	Apr 24, 2012	0.657029
Apr 25, 2012	May 24, 2012	0.644092
May 25, 2012	Jun 22, 2012	0.639005
Jun 25, 2012	Jul 24, 2012	0.628212
Jul 25, 2012	Aug 24, 2012	0.622823
Aug 27, 2012	Sep 24, 2012	0.619163
Sep 25, 2012	Oct 24, 2012	0.612755
Oct 25, 2012	Nov 23, 2012	0.602629
Nov 26, 2012	Dec 24, 2012	0.593339
Dec 26, 2012	Jan 24, 2013	0.583772
Jan 25, 2013	Feb 22, 2013	0.572975
Feb 25, 2013	Mar 22, 2013	0.568870
Mar 25, 2013	Apr 24, 2013	0.563488
Apr 25, 2013	May 24, 2013	0.558242
May 28, 2013	Jun 24, 2013	0.554369
Jun 25, 2013	Jul 24, 2013	0.539217
Jul 25, 2013	Aug 23, 2013	0.527897
Aug 26, 2013	Sep 24, 2013	0.522700
Sep 25, 2013	Oct 24, 2013	0.521078
Oct 25, 2013	Nov 22, 2013	0.516629
Nov 25, 2013	Dec 24, 2013	0.511809
Dec 26, 2013	Jan 24, 2014	0.504458
Jan 27, 2014	Feb 24, 2014	0.493770
Feb 25, 2014	Mar 24, 2014	0.487164
Mar 25, 2014	Apr 24, 2014	0.486674
Apr 25, 2014	May 23, 2014	0.483401
May 27, 2014	Jun 24, 2014	0.483500
Jun 25, 2014	Jul 24, 2014	0.480751
Jul 25, 2014	Aug 22, 2014	0.472073
Aug 25, 2014	Sep 24, 2014	0.462280
Sep 25, 2014	Oct 24, 2014	0.460101
Oct 27, 2014	Nov 24, 2014	0.456756
Nov 25, 2014	Dec 24, 2014	0.448164
Dec 26, 2014	Jan 23, 2015	0.438879
Jan 26, 2015	Feb 24, 2015	0.432209
Feb 25, 2015	Mar 24, 2015	0.432202
Mar 25, 2015	Apr 24, 2015	0.428992
Apr 27, 2015	May 22, 2015	0.417702
May 26, 2015	Jun 24, 2015	0.413039
Jun 25, 2015		0.409891

1A67 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997867
Sep 25, 2007	Oct 24, 2007	0.989233
Oct 25, 2007	Nov 23, 2007	0.985019
Nov 26, 2007	Dec 24, 2007	0.977917
Dec 26, 2007	Jan 24, 2008	0.977289
Jan 25, 2008	Feb 22, 2008	0.969687
Feb 25, 2008	Mar 24, 2008	0.960801
Mar 25, 2008	Apr 24, 2008	0.955785
Apr 25, 2008	May 23, 2008	0.945137
May 27, 2008	Jun 24, 2008	0.939725
Jun 25, 2008	Jul 24, 2008	0.927190
Jul 25, 2008	Aug 22, 2008	0.915327
Aug 25, 2008	Sep 24, 2008	0.912632
Sep 25, 2008	Oct 24, 2008	0.911411
Oct 27, 2008	Nov 24, 2008	0.910280
Nov 25, 2008	Dec 24, 2008	0.906808
Dec 26, 2008	Jan 23, 2009	0.902797
Jan 26, 2009	Feb 24, 2009	0.898645
Feb 25, 2009	Mar 24, 2009	0.890927
Mar 25, 2009	Apr 24, 2009	0.886478
Apr 27, 2009	May 22, 2009	0.880423
May 26, 2009	Jun 24, 2009	0.874869
Jun 25, 2009	Jul 24, 2009	0.873341
Jul 27, 2009	Aug 24, 2009	0.859863
Aug 25, 2009	Sep 24, 2009	0.849898
Sep 25, 2009	Oct 23, 2009	0.842974
Oct 26, 2009	Nov 24, 2009	0.836327
Nov 25, 2009	Dec 24, 2009	0.830968
Dec 28, 2009	Jan 22, 2010	0.823475
Jan 25, 2010	Feb 24, 2010	0.821559
Feb 25, 2010	Mar 24, 2010	0.814877
Mar 25, 2010	Apr 23, 2010	0.811411
Apr 26, 2010	May 24, 2010	0.800665
May 25, 2010	Jun 24, 2010	0.798187
Jun 25, 2010	Jul 23, 2010	0.792881
Jul 26, 2010	Aug 24, 2010	0.790742
Aug 25, 2010	Sep 24, 2010	0.779145
Sep 27, 2010	Oct 22, 2010	0.774342
Oct 25, 2010	Nov 24, 2010	0.767875
Nov 26, 2010	Dec 23, 2010	0.758689
Dec 27, 2010	Jan 24, 2011	0.757962
Jan 25, 2011	Feb 24, 2011	0.738694
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.732280
	May 24, 2011	0.726843
Apr 25, 2011 May 25, 2011	Jun 24, 2011	0.722650
Jun 27, 2011	Jul 22, 2011	0.720422
Jul 25, 2011	Aug 24, 2011	0.716654
Aug 25, 2011	Sep 23, 2011	0.708189
, 105 23, 2011	JCP 23, 2011	0.707570

1A67 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.701844
Oct 25, 2011	Nov 23, 2011	0.687957
Nov 25, 2011	Dec 23, 2011	0.686169
Dec 27, 2011	Jan 24, 2012	0.685905
Jan 25, 2012	Feb 24, 2012	0.683842
Feb 27, 2012	Mar 23, 2012	0.683413
Mar 26, 2012	Apr 24, 2012	0.671851
Apr 25, 2012	May 24, 2012	0.662374
May 25, 2012	Jun 22, 2012	0.658342
Jun 25, 2012	Jul 24, 2012	0.652733
Jul 25, 2012	Aug 24, 2012	0.647134
Aug 27, 2012	Sep 24, 2012	0.643331
Sep 25, 2012	Oct 24, 2012	0.636673
Oct 25, 2012	Nov 23, 2012	0.626152
Nov 26, 2012	Dec 24, 2012	0.616499
Dec 26, 2012	Jan 24, 2013	0.606559
Jan 25, 2013	Feb 22, 2013	0.595341
Feb 25, 2013	Mar 22, 2013	0.591076
Mar 25, 2013	Apr 24, 2013	0.585483
Apr 25, 2013	May 24, 2013	0.580032
May 28, 2013	Jun 24, 2013	0.576008
Jun 25, 2013	Jul 24, 2013	0.560072
Jul 25, 2013	Aug 23, 2013	0.548503
Aug 26, 2013	Sep 24, 2013	0.543103
Sep 25, 2013	Oct 24, 2013	0.541225
Oct 25, 2013	Nov 22, 2013	0.536795
Nov 25, 2013	Dec 24, 2013	0.531787
Dec 26, 2013	Jan 24, 2014	0.524148
Jan 27, 2014	Feb 24, 2014	0.513044
Feb 25, 2014	Mar 24, 2014	0.506180
Mar 25, 2014	Apr 24, 2014	0.505671
Apr 25, 2014	May 23, 2014	0.502270
May 27, 2014	Jun 24, 2014	0.502372
Jun 25, 2014	Jul 24, 2014	0.499516
Jul 25, 2014	Aug 22, 2014	0.490500
Aug 25, 2014	Sep 24, 2014	0.480325
Sep 25, 2014	Oct 24, 2014	0.478060
Oct 27, 2014	Nov 24, 2014	0.474585
Nov 25, 2014	Dec 24, 2014	0.465658
Dec 26, 2014	Jan 23, 2015	0.456010
Jan 26, 2015	Feb 24, 2015	0.449079
Feb 25, 2015	Mar 24, 2015	0.449073
Mar 25, 2015	Apr 24, 2015	0.445737
Apr 27, 2015	May 22, 2015	0.434007
May 26, 2015	Jun 24, 2015	0.429161
Jun 25, 2015		0.425891

1A68 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997867
Sep 25, 2007	Oct 24, 2007	0.989233
Oct 25, 2007	Nov 23, 2007	0.985019
Nov 26, 2007	Dec 24, 2007	0.977917
Dec 26, 2007	Jan 24, 2008	0.977289
Jan 25, 2008	Feb 22, 2008	0.969687
Feb 25, 2008	Mar 24, 2008	0.960801
Mar 25, 2008	Apr 24, 2008	0.955785
Apr 25, 2008	May 23, 2008	0.945137
May 27, 2008	Jun 24, 2008	0.939725
Jun 25, 2008	Jul 24, 2008	0.927190
Jul 25, 2008	Aug 22, 2008	0.915327
Aug 25, 2008	Sep 24, 2008	0.912632
Sep 25, 2008	Oct 24, 2008	0.911411
Oct 27, 2008	Nov 24, 2008	0.910280
Nov 25, 2008	Dec 24, 2008	0.906808
Dec 26, 2008	Jan 23, 2009	0.902797
Jan 26, 2009	Feb 24, 2009	0.898645
Feb 25, 2009	Mar 24, 2009	0.890927
Mar 25, 2009	Apr 24, 2009	0.886478
Apr 27, 2009	May 22, 2009	0.880423
May 26, 2009	Jun 24, 2009	0.874869
Jun 25, 2009	Jul 24, 2009	0.873341
Jul 27, 2009	Aug 24, 2009	0.859863
Aug 25, 2009	Sep 24, 2009	0.849898
Sep 25, 2009	Oct 23, 2009	0.842974
Oct 26, 2009	Nov 24, 2009	0.836327
Nov 25, 2009	Dec 24, 2009	0.830968
Dec 28, 2009	Jan 22, 2010	0.823475
Jan 25, 2010	Feb 24, 2010	0.821559
Feb 25, 2010	Mar 24, 2010	0.814877
Mar 25, 2010	Apr 23, 2010	0.811411
Apr 26, 2010	May 24, 2010	0.800665
May 25, 2010	Jun 24, 2010	0.798187
Jun 25, 2010	Jul 23, 2010	0.792881
Jul 26, 2010	Aug 24, 2010	0.790742
Aug 25, 2010	Sep 24, 2010	0.779145
Sep 27, 2010	Oct 22, 2010	0.774342
Oct 25, 2010	Nov 24, 2010	0.767875
Nov 26, 2010	Dec 23, 2010	0.758689
Dec 27, 2010	Jan 24, 2011	0.757962
Jan 25, 2011	Feb 24, 2011	0.738694
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.732280
	May 24, 2011	0.726843
Apr 25, 2011 May 25, 2011	Jun 24, 2011	0.722650
Jun 27, 2011	Jul 22, 2011	0.720422
Jul 25, 2011	Aug 24, 2011	0.716654
Aug 25, 2011	Sep 23, 2011	0.708189
, 105 23, 2011	JCP 23, 2011	0.707570

1A68 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.701844
Oct 25, 2011	Nov 23, 2011	0.687957
Nov 25, 2011	Dec 23, 2011	0.686169
Dec 27, 2011	Jan 24, 2012	0.685905
Jan 25, 2012	Feb 24, 2012	0.683842
Feb 27, 2012	Mar 23, 2012	0.683413
Mar 26, 2012	Apr 24, 2012	0.671851
Apr 25, 2012	May 24, 2012	0.662374
May 25, 2012	Jun 22, 2012	0.658342
Jun 25, 2012	Jul 24, 2012	0.652733
Jul 25, 2012	Aug 24, 2012	0.647134
Aug 27, 2012	Sep 24, 2012	0.643331
Sep 25, 2012	Oct 24, 2012	0.636673
Oct 25, 2012	Nov 23, 2012	0.626152
Nov 26, 2012	Dec 24, 2012	0.616499
Dec 26, 2012	Jan 24, 2013	0.606559
Jan 25, 2013	Feb 22, 2013	0.595341
Feb 25, 2013	Mar 22, 2013	0.591076
Mar 25, 2013	Apr 24, 2013	0.585483
Apr 25, 2013	May 24, 2013	0.580032
May 28, 2013	Jun 24, 2013	0.576008
Jun 25, 2013	Jul 24, 2013	0.560072
Jul 25, 2013	Aug 23, 2013	0.548503
Aug 26, 2013	Sep 24, 2013	0.543103
Sep 25, 2013	Oct 24, 2013	0.541225
Oct 25, 2013	Nov 22, 2013	0.536795
Nov 25, 2013	Dec 24, 2013	0.531787
Dec 26, 2013	Jan 24, 2014	0.524148
Jan 27, 2014	Feb 24, 2014	0.513044
Feb 25, 2014	Mar 24, 2014	0.506180
Mar 25, 2014	Apr 24, 2014	0.505671
Apr 25, 2014	May 23, 2014	0.502270
May 27, 2014	Jun 24, 2014	0.502372
Jun 25, 2014	Jul 24, 2014	0.499516
Jul 25, 2014	Aug 22, 2014	0.490500
Aug 25, 2014	Sep 24, 2014	0.480325
Sep 25, 2014	Oct 24, 2014	0.478060
Oct 27, 2014	Nov 24, 2014	0.474585
Nov 25, 2014	Dec 24, 2014	0.465658
Dec 26, 2014	Jan 23, 2015	0.456010
Jan 26, 2015	Feb 24, 2015	0.449079
Feb 25, 2015	Mar 24, 2015	0.449073
Mar 25, 2015	Apr 24, 2015	0.445737
Apr 27, 2015	May 22, 2015	0.434007
May 26, 2015	Jun 24, 2015	0.429161
Jun 25, 2015		0.425891

1A69 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997867
Sep 25, 2007	Oct 24, 2007	0.989233
Oct 25, 2007	Nov 23, 2007	0.985019
Nov 26, 2007	Dec 24, 2007	0.977917
Dec 26, 2007	Jan 24, 2008	0.977289
Jan 25, 2008	Feb 22, 2008	0.969687
Feb 25, 2008	Mar 24, 2008	0.960801
Mar 25, 2008	Apr 24, 2008	0.955785
Apr 25, 2008	May 23, 2008	0.945137
May 27, 2008	Jun 24, 2008	0.939725
Jun 25, 2008	Jul 24, 2008	0.927190
Jul 25, 2008	Aug 22, 2008	0.915327
Aug 25, 2008	Sep 24, 2008	0.912632
Sep 25, 2008	Oct 24, 2008	0.911411
Oct 27, 2008	Nov 24, 2008	0.910280
Nov 25, 2008	Dec 24, 2008	0.906808
Dec 26, 2008	Jan 23, 2009	0.902797
Jan 26, 2009	Feb 24, 2009	0.898645
Feb 25, 2009	Mar 24, 2009	0.890927
Mar 25, 2009	Apr 24, 2009	0.886478
Apr 27, 2009	May 22, 2009	0.880423
May 26, 2009	Jun 24, 2009	0.874869
Jun 25, 2009	Jul 24, 2009	0.873341
Jul 27, 2009	Aug 24, 2009	0.859863
Aug 25, 2009	Sep 24, 2009	0.849898
Sep 25, 2009	Oct 23, 2009	0.842974
Oct 26, 2009	Nov 24, 2009	0.836327
Nov 25, 2009	Dec 24, 2009	0.830968
Dec 28, 2009	Jan 22, 2010	0.823475
Jan 25, 2010	Feb 24, 2010	0.821559
Feb 25, 2010	Mar 24, 2010	0.814877
Mar 25, 2010	Apr 23, 2010	0.811411
Apr 26, 2010	May 24, 2010	0.800665
May 25, 2010	Jun 24, 2010	0.798187
Jun 25, 2010	Jul 23, 2010	0.792881
Jul 26, 2010	Aug 24, 2010	0.790742
Aug 25, 2010	Sep 24, 2010	0.779145
Sep 27, 2010	Oct 22, 2010	0.774342
Oct 25, 2010	Nov 24, 2010	0.767875
Nov 26, 2010	Dec 23, 2010	0.758689
Dec 27, 2010	Jan 24, 2011	0.757962
Jan 25, 2011	Feb 24, 2011	0.738694
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.732280
	May 24, 2011	0.726843
Apr 25, 2011 May 25, 2011	Jun 24, 2011	0.722650
Jun 27, 2011	Jul 22, 2011	0.720422
Jul 25, 2011	Aug 24, 2011	0.716654
Aug 25, 2011	Sep 23, 2011	0.708189
, 105 23, 2011	JCP 23, 2011	0.707570

1A69 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.701844
Oct 25, 2011	Nov 23, 2011	0.687957
Nov 25, 2011	Dec 23, 2011	0.686169
Dec 27, 2011	Jan 24, 2012	0.685905
Jan 25, 2012	Feb 24, 2012	0.683842
Feb 27, 2012	Mar 23, 2012	0.683413
Mar 26, 2012	Apr 24, 2012	0.671851
Apr 25, 2012	May 24, 2012	0.662374
May 25, 2012	Jun 22, 2012	0.658342
Jun 25, 2012	Jul 24, 2012	0.652733
Jul 25, 2012	Aug 24, 2012	0.647134
Aug 27, 2012	Sep 24, 2012	0.643331
Sep 25, 2012	Oct 24, 2012	0.636673
Oct 25, 2012	Nov 23, 2012	0.626152
Nov 26, 2012	Dec 24, 2012	0.616499
Dec 26, 2012	Jan 24, 2013	0.606559
Jan 25, 2013	Feb 22, 2013	0.595341
Feb 25, 2013	Mar 22, 2013	0.591076
Mar 25, 2013	Apr 24, 2013	0.585483
Apr 25, 2013	May 24, 2013	0.580032
May 28, 2013	Jun 24, 2013	0.576008
Jun 25, 2013	Jul 24, 2013	0.560264
Jul 25, 2013	Aug 23, 2013	0.548503
Aug 26, 2013	Sep 24, 2013	0.543103
Sep 25, 2013	Oct 24, 2013	0.541417
Oct 25, 2013	Nov 22, 2013	0.536795
Nov 25, 2013	Dec 24, 2013	0.531787
Dec 26, 2013	Jan 24, 2014	0.524148
Jan 27, 2014	Feb 24, 2014	0.513044
Feb 25, 2014	Mar 24, 2014	0.506180
Mar 25, 2014	Apr 24, 2014	0.505671
Apr 25, 2014	May 23, 2014	0.502270
May 27, 2014	Jun 24, 2014	0.502372
Jun 25, 2014	Jul 24, 2014	0.499516
Jul 25, 2014	Aug 22, 2014	0.490500
Aug 25, 2014	Sep 24, 2014	0.480325
Sep 25, 2014	Oct 24, 2014	0.478060
Oct 27, 2014	Nov 24, 2014	0.474585
Nov 25, 2014	Dec 24, 2014	0.465658
Dec 26, 2014	Jan 23, 2015	0.456010
Jan 26, 2015	Feb 24, 2015	0.449079
Feb 25, 2015	Mar 24, 2015	0.449073
Mar 25, 2015	Apr 24, 2015	0.445737
Apr 27, 2015	May 22, 2015	0.434007
May 26, 2015	Jun 24, 2015	0.429161
Jun 25, 2015		0.425891

1A70 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997867
Sep 25, 2007	Oct 24, 2007	0.989233
Oct 25, 2007	Nov 23, 2007	0.985019
Nov 26, 2007	Dec 24, 2007	0.977917
Dec 26, 2007	Jan 24, 2008	0.977289
Jan 25, 2008	Feb 22, 2008	0.969687
Feb 25, 2008	Mar 24, 2008	0.960801
Mar 25, 2008	Apr 24, 2008	0.955785
Apr 25, 2008	May 23, 2008	0.945137
May 27, 2008	Jun 24, 2008	0.939725
Jun 25, 2008	Jul 24, 2008	0.927190
Jul 25, 2008	Aug 22, 2008	0.915327
Aug 25, 2008	Sep 24, 2008	0.913327
Sep 25, 2008	Oct 24, 2008	
Oct 27, 2008	Nov 24, 2008	0.911411
Nov 25, 2008	Dec 24, 2008	0.910280
Dec 26, 2008	Jan 23, 2009	0.906808
Jan 26, 2009	Feb 24, 2009	0.902797
Feb 25, 2009	Mar 24, 2009	0.898645
Mar 25, 2009	Apr 24, 2009	0.890927
Apr 27, 2009	May 22, 2009	0.886478
May 26, 2009	Jun 24, 2009	0.880423
Jun 25, 2009	Jul 24, 2009	0.874869
Jul 27, 2009	Aug 24, 2009	0.873341
Aug 25, 2009	Sep 24, 2009	0.859863
Sep 25, 2009	Oct 23, 2009	0.849898
Oct 26, 2009	Nov 24, 2009	0.842974 0.836327
Nov 25, 2009	Dec 24, 2009	0.830968
Dec 28, 2009	Jan 22, 2010	0.823475
Jan 25, 2010	Feb 24, 2010	0.821559
Feb 25, 2010	Mar 24, 2010	0.814877
Mar 25, 2010	Apr 23, 2010	0.811411
Apr 26, 2010	May 24, 2010	0.800665
May 25, 2010	Jun 24, 2010	0.798187
Jun 25, 2010	Jul 23, 2010	0.792881
Jul 26, 2010	Aug 24, 2010	0.790742
Aug 25, 2010	Sep 24, 2010	0.779145
Sep 27, 2010	Oct 22, 2010	0.774342
Oct 25, 2010	Nov 24, 2010	0.767875
Nov 26, 2010	Dec 23, 2010	0.758689
Dec 27, 2010	Jan 24, 2011	0.757962
Jan 25, 2011	Feb 24, 2011	0.738694
Feb 25, 2011	Mar 24, 2011	0.732280
Mar 25, 2011	Apr 22, 2011	0.726843
Apr 25, 2011	May 24, 2011	0.722650
May 25, 2011	Jun 24, 2011	0.720422
Jun 27, 2011	Jul 22, 2011	0.716654
Jul 25, 2011	Aug 24, 2011	0.708189
Aug 25, 2011	Sep 23, 2011	0.707570

1A70 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.701844
Oct 25, 2011	Nov 23, 2011	0.687957
Nov 25, 2011	Dec 23, 2011	0.686169
Dec 27, 2011	Jan 24, 2012	0.685905
Jan 25, 2012	Feb 24, 2012	0.683842
Feb 27, 2012	Mar 23, 2012	0.683413
Mar 26, 2012	Apr 24, 2012	0.671851
Apr 25, 2012	May 24, 2012	0.662374
May 25, 2012	Jun 22, 2012	0.658342
Jun 25, 2012	Jul 24, 2012	0.652733
Jul 25, 2012	Aug 24, 2012	0.647134
Aug 27, 2012	Sep 24, 2012	0.643331
Sep 25, 2012	Oct 24, 2012	0.636673
Oct 25, 2012	Nov 23, 2012	0.626152
Nov 26, 2012	Dec 24, 2012	0.616499
Dec 26, 2012	Jan 24, 2013	0.606559
Jan 25, 2013	Feb 22, 2013	0.595341
Feb 25, 2013	Mar 22, 2013	0.591076
Mar 25, 2013	Apr 24, 2013	0.585483
Apr 25, 2013	May 24, 2013	0.580032
May 28, 2013	Jun 24, 2013	0.576008
Jun 25, 2013	Jul 24, 2013	0.560264
Jul 25, 2013	Aug 23, 2013	0.548503
Aug 26, 2013	Sep 24, 2013	0.543103
Sep 25, 2013	Oct 24, 2013	0.541417
Oct 25, 2013	Nov 22, 2013	0.536795
Nov 25, 2013	Dec 24, 2013	0.531787
Dec 26, 2013	Jan 24, 2014	0.524148
Jan 27, 2014	Feb 24, 2014	0.513044
Feb 25, 2014	Mar 24, 2014	0.506180
Mar 25, 2014	Apr 24, 2014	0.505671
Apr 25, 2014	May 23, 2014	0.502270
May 27, 2014	Jun 24, 2014	0.502372
Jun 25, 2014	Jul 24, 2014	0.499516
Jul 25, 2014	Aug 22, 2014	0.490500
Aug 25, 2014	Sep 24, 2014	0.480325
Sep 25, 2014	Oct 24, 2014	0.478060
Oct 27, 2014	Nov 24, 2014	0.474585
Nov 25, 2014	Dec 24, 2014	0.465658
Dec 26, 2014	Jan 23, 2015	0.456010
Jan 26, 2015	Feb 24, 2015	0.449079
Feb 25, 2015	Mar 24, 2015	0.449073
Mar 25, 2015	Apr 24, 2015	0.445737
Apr 27, 2015	May 22, 2015	0.434007
May 26, 2015	Jun 24, 2015	0.429161
Jun 25, 2015		0.425891

1A71 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995831
Sep 25, 2007	Oct 24, 2007	0.987238
Oct 25, 2007	Nov 23, 2007	0.982110
Nov 26, 2007	Dec 24, 2007	0.979176
Dec 26, 2007	Jan 24, 2008	0.973097
Jan 25, 2008	Feb 22, 2008	0.965649
Feb 25, 2008	Mar 24, 2008	0.957527
Mar 25, 2008	Apr 24, 2008	0.950301
Apr 25, 2008	May 23, 2008	0.940299
May 27, 2008	Jun 24, 2008	0.929617
Jun 25, 2008	Jul 24, 2008	0.919604
Jul 25, 2008	Aug 22, 2008	0.907345
Aug 25, 2008	Sep 24, 2008	0.900018
Sep 25, 2008	Oct 24, 2008	0.892290
Oct 27, 2008	Nov 24, 2008	0.889295
Nov 25, 2008	Dec 24, 2008	0.877150
Dec 26, 2008	Jan 23, 2009	0.871541
Jan 26, 2009	Feb 24, 2009	0.862896
Feb 25, 2009	Mar 24, 2009	0.850161
Mar 25, 2009	Apr 24, 2009	0.829589
Apr 27, 2009	May 22, 2009	0.813620
May 26, 2009	Jun 24, 2009	0.788938
Jun 25, 2009	Jul 24, 2009	0.766317
Jul 27, 2009	Aug 24, 2009	0.746068
Aug 25, 2009	Sep 24, 2009	0.723146
Sep 25, 2009	Oct 23, 2009	0.712502
Oct 26, 2009	Nov 24, 2009	0.697561
Nov 25, 2009	Dec 24, 2009	0.685651
Dec 28, 2009	Jan 22, 2010	0.671166
Jan 25, 2010	Feb 24, 2010	0.654092
Feb 25, 2010	Mar 24, 2010	0.632877
Mar 25, 2010	Apr 23, 2010	0.622969
Apr 26, 2010	May 24, 2010	0.608409
May 25, 2010	Jun 24, 2010	0.596270
Jun 25, 2010	Jul 23, 2010	0.585528
Jul 26, 2010	Aug 24, 2010	0.568190
Aug 25, 2010	Sep 24, 2010	0.546991
Sep 27, 2010	Oct 22, 2010	0.528285
Oct 25, 2010	Nov 24, 2010	0.505628
Nov 26, 2010	Dec 23, 2010	0.482386
Dec 27, 2010	Jan 24, 2011	0.459715
Jan 25, 2011	Feb 24, 2011	0.435220
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.417783
	May 24, 2011	0.403893
Apr 25, 2011 May 25, 2011	Jun 24, 2011	0.385942
Jun 27, 2011	Jul 22, 2011	0.376181
Jul 25, 2011	Aug 24, 2011	0.363302
Aug 25, 2011	Sep 23, 2011	0.350210
, 105 23, 2011	JCP 23, 2011	0.337953

1A71 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.320859
Oct 25, 2011	Nov 23, 2011	0.308010
Nov 25, 2011	Dec 23, 2011	0.297875
Dec 27, 2011	Jan 24, 2012	0.287215
Jan 25, 2012	Feb 24, 2012	0.281779
Feb 27, 2012	Mar 23, 2012	0.278419
Mar 26, 2012	Apr 24, 2012	0.276602
Apr 25, 2012	May 24, 2012	0.272258
May 25, 2012	Jun 22, 2012	0.267123
Jun 25, 2012	Jul 24, 2012	0.264336
Jul 25, 2012	Aug 24, 2012	0.260069
Aug 27, 2012	Sep 24, 2012	0.256086
Sep 25, 2012	Oct 24, 2012	0.251951
Oct 25, 2012	Nov 23, 2012	0.246406
Nov 26, 2012	Dec 24, 2012	0.243625
Dec 26, 2012	Jan 24, 2013	0.241213
Jan 25, 2013	Feb 22, 2013	0.236670
Feb 25, 2013	Mar 22, 2013	0.231596
Mar 25, 2013	Apr 24, 2013	0.228323
Apr 25, 2013	May 24, 2013	0.224250
May 28, 2013	Jun 24, 2013 Jul 24, 2013	0.218040
Jun 25, 2013 Jul 25, 2013	Aug 23, 2013	0.214042
Aug 26, 2013	Sep 24, 2013	0.208004
Sep 25, 2013	Oct 24, 2013	0.201136
Oct 25, 2013	Nov 22, 2013	0.196157
Nov 25, 2013	Dec 24, 2013	0.193105
Dec 26, 2013	Jan 24, 2014	0.189868
Jan 27, 2014	Feb 24, 2014	0.186301
Feb 25, 2014	Mar 24, 2014	0.183432 0.180478
Mar 25, 2014	Apr 24, 2014	0.178423
Apr 25, 2014	May 23, 2014	0.174800
May 27, 2014	Jun 24, 2014	0.171068
Jun 25, 2014	Jul 24, 2014	0.168171
Jul 25, 2014	Aug 22, 2014	0.164916
Aug 25, 2014	Sep 24, 2014	0.162501
Sep 25, 2014	Oct 24, 2014	0.159269
Oct 27, 2014	Nov 24, 2014	0.157865
Nov 25, 2014	Dec 24, 2014	0.154397
Dec 26, 2014	Jan 23, 2015	0.151534
Jan 26, 2015	Feb 24, 2015	0.148681
Feb 25, 2015	Mar 24, 2015	0.145945
Mar 25, 2015	Apr 24, 2015	0.144947
Apr 27, 2015	May 22, 2015	0.142570
May 26, 2015	Jun 24, 2015	0.139815
Jun 25, 2015		0.138340
		-

1A72 Certificate Factor Chart

From	То	Factor
<u>From</u>	Aug 24, 2007	<u>Factor</u> 1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010 Nov 26, 2010	Nov 24, 2010	1.000000
Dec 27, 2010	Dec 23, 2010 Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
-		

1A72 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.00000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.824016
Feb 25, 2013	Mar 22, 2013	0.806353
Mar 25, 2013	Apr 24, 2013	0.794954
Apr 25, 2013	May 24, 2013	0.780773
May 28, 2013	Jun 24, 2013	0.759152
Jun 25, 2013	Jul 24, 2013	0.745235
Jul 25, 2013	Aug 23, 2013	0.724211
Aug 26, 2013	Sep 24, 2013	0.700298
Sep 25, 2013	Oct 24, 2013	0.682963
Oct 25, 2013	Nov 22, 2013	0.672336
Nov 25, 2013	Dec 24, 2013	0.661067
Dec 26, 2013	Jan 24, 2014	0.648648
Jan 27, 2014	Feb 24, 2014	0.638660
Feb 25, 2014	Mar 24, 2014	0.628372
Mar 25, 2014	Apr 24, 2014	0.621219
Apr 25, 2014	May 23, 2014	0.608604
May 27, 2014	Jun 24, 2014	0.595609
Jun 25, 2014	Jul 24, 2014	0.585523
Jul 25, 2014	Aug 22, 2014	0.574190
Aug 25, 2014	Sep 24, 2014	0.565784
Sep 25, 2014	Oct 24, 2014	0.554529
Oct 27, 2014	Nov 24, 2014	0.549641
Nov 25, 2014	Dec 24, 2014	0.537565
Dec 26, 2014	Jan 23, 2015	0.527598
Jan 26, 2015	Feb 24, 2015	0.517665
Feb 25, 2015	Mar 24, 2015	0.508140
Mar 25, 2015	Apr 24, 2015	0.504665
Apr 27, 2015	May 22, 2015	0.496389
May 26, 2015	Jun 24, 2015	0.486798
Jun 25, 2015		0.481660

1A73 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.996196
Sep 25, 2007	Oct 24, 2007	0.988354
Oct 25, 2007	Nov 23, 2007	0.983674
Nov 26, 2007	Dec 24, 2007	0.980996
Dec 26, 2007	Jan 24, 2008	0.975449
Jan 25, 2008	Feb 22, 2008	0.968652
Feb 25, 2008	Mar 24, 2008	0.961240
Mar 25, 2008	Apr 24, 2008	0.954646
Apr 25, 2008	May 23, 2008	0.945518
May 27, 2008	Jun 24, 2008	0.935770
Jun 25, 2008	Jul 24, 2008	0.926632
Jul 25, 2008	Aug 22, 2008	0.915444
Aug 25, 2008	Sep 24, 2008	0.908758
Sep 25, 2008	Oct 24, 2008	0.901706
Oct 27, 2008	Nov 24, 2008	0.898973
Nov 25, 2008	Dec 24, 2008	0.887890
Dec 26, 2008	Jan 23, 2009	0.882771
Jan 26, 2009	Feb 24, 2009	0.874882
Feb 25, 2009	Mar 24, 2009	0.863260
Mar 25, 2009	Apr 24, 2009	0.844487
Apr 27, 2009	May 22, 2009	0.829913
May 26, 2009	Jun 24, 2009	0.807389
Jun 25, 2009	Jul 24, 2009	0.786745
Jul 27, 2009	Aug 24, 2009	0.768266
Aug 25, 2009	Sep 24, 2009	0.747348
Sep 25, 2009	Oct 23, 2009	0.737635
Oct 26, 2009	Nov 24, 2009	0.724000
Nov 25, 2009	Dec 24, 2009	0.713131
Dec 28, 2009	Jan 22, 2010	0.699912
Jan 25, 2010	Feb 24, 2010	0.684331
Feb 25, 2010	Mar 24, 2010	0.664971
Mar 25, 2010	Apr 23, 2010	0.655929
Apr 26, 2010	May 24, 2010	0.642641
May 25, 2010	Jun 24, 2010	0.631564
Jun 25, 2010	Jul 23, 2010	0.621761
Jul 26, 2010	Aug 24, 2010	0.605938
Aug 25, 2010	Sep 24, 2010	0.586593
Sep 27, 2010	Oct 22, 2010	0.569522
Oct 25, 2010	Nov 24, 2010	0.548846
Nov 26, 2010	Dec 23, 2010	0.527635
Dec 27, 2010	Jan 24, 2011	0.506946
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.484593
Mar 25, 2011	Mar 24, 2011	0.468680
Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.456005
May 25, 2011	Jun 24, 2011	0.439622
Jun 27, 2011	Jul 22, 2011	0.430715
Jul 25, 2011	Aug 24, 2011	0.418962
Aug 25, 2011	Sep 23, 2011	0.407014
, tob 23, 2011	JCP 23, 2011	0.395829

1A73 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.380229
Oct 25, 2011	Nov 23, 2011	0.368503
Nov 25, 2011	Dec 23, 2011	0.359255
Dec 27, 2011	Jan 24, 2012	0.349526
Jan 25, 2012	Feb 24, 2012	0.342911
Feb 27, 2012	Mar 23, 2012	0.338822
Mar 26, 2012	Apr 24, 2012	0.336611
Apr 25, 2012	May 24, 2012	0.331325
May 25, 2012	Jun 22, 2012	0.325076
Jun 25, 2012	Jul 24, 2012	0.321684
Jul 25, 2012	Aug 24, 2012	0.316490
Aug 27, 2012	Sep 24, 2012	0.311644
Sep 25, 2012	Oct 24, 2012	0.306612
Oct 25, 2012	Nov 23, 2012	0.299864
Nov 26, 2012	Dec 24, 2012	0.296480
Dec 26, 2012	Jan 24, 2013	0.293544
Jan 25, 2013	Feb 22, 2013	0.288015
Feb 25, 2013	Mar 22, 2013	0.281841
Mar 25, 2013	Apr 24, 2013	0.277857
Apr 25, 2013	May 24, 2013	0.272900
May 28, 2013	Jun 24, 2013	0.265343
Jun 25, 2013	Jul 24, 2013	0.260479
Jul 25, 2013	Aug 23, 2013	0.253130
Aug 26, 2013	Sep 24, 2013	0.244772
Sep 25, 2013	Oct 24, 2013	0.238713
Oct 25, 2013	Nov 22, 2013	0.234999
Nov 25, 2013	Dec 24, 2013	0.231060
Dec 26, 2013	Jan 24, 2014	0.226719
Jan 27, 2014	Feb 24, 2014	0.223228
Feb 25, 2014	Mar 24, 2014	0.219632
Mar 25, 2014	Apr 24, 2014	0.217132
Apr 25, 2014	May 23, 2014	0.212723
May 27, 2014	Jun 24, 2014	0.208181
Jun 25, 2014	Jul 24, 2014	0.204655
Jul 25, 2014	Aug 22, 2014	0.200694
Aug 25, 2014	Sep 24, 2014	0.197756
Sep 25, 2014	Oct 24, 2014	0.193822
Oct 27, 2014	Nov 24, 2014	0.192114
Nov 25, 2014	Dec 24, 2014	0.187893
Dec 26, 2014	Jan 23, 2015	0.184409
Jan 26, 2015	Feb 24, 2015	0.180937
Feb 25, 2015	Mar 24, 2015	0.177608
Mar 25, 2015	Apr 24, 2015	0.176393
Apr 27, 2015	May 22, 2015	0.173501
May 26, 2015	Jun 24, 2015	0.170148
Jun 25, 2015		0.168353

1A74 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
, 105 23, 2011	JCP 23, 2011	1.000000

1A74 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.824016
Feb 25, 2013	Mar 22, 2013	0.806353
Mar 25, 2013	Apr 24, 2013	0.794954
Apr 25, 2013	May 24, 2013	0.780773
May 28, 2013	Jun 24, 2013	0.759152
Jun 25, 2013	Jul 24, 2013	0.745235
Jul 25, 2013	Aug 23, 2013	0.724211
Aug 26, 2013	Sep 24, 2013	0.700298
Sep 25, 2013	Oct 24, 2013	0.682963
Oct 25, 2013	Nov 22, 2013	0.672336
Nov 25, 2013	Dec 24, 2013	0.661067
Dec 26, 2013	Jan 24, 2014	0.648648
Jan 27, 2014	Feb 24, 2014	0.638660
Feb 25, 2014	Mar 24, 2014	0.628372
Mar 25, 2014	Apr 24, 2014	0.621219
Apr 25, 2014	May 23, 2014	0.608604
May 27, 2014	Jun 24, 2014	0.595609
Jun 25, 2014	Jul 24, 2014	0.585523
Jul 25, 2014	Aug 22, 2014	0.574190
Aug 25, 2014	Sep 24, 2014	0.565784
Sep 25, 2014	Oct 24, 2014	0.554529
Oct 27, 2014	Nov 24, 2014	0.549641
Nov 25, 2014	Dec 24, 2014	0.537565
Dec 26, 2014	Jan 23, 2015	0.527598
Jan 26, 2015	Feb 24, 2015	0.517665
Feb 25, 2015	Mar 24, 2015	0.508140
Mar 25, 2015	Apr 24, 2015	0.504665
Apr 27, 2015	May 22, 2015	0.496389
May 26, 2015	Jun 24, 2015	0.486798
Jun 25, 2015		0.481660

1A75 Certificate Factor Chart

From	То	Factor
<u></u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.996469
Sep 25, 2007	Oct 24, 2007	0.989190
Oct 25, 2007	Nov 23, 2007	0.984847
Nov 26, 2007	Dec 24, 2007	0.982362
Dec 26, 2007	Jan 24, 2008	0.977213
Jan 25, 2008	Feb 22, 2008	0.970905
Feb 25, 2008	Mar 24, 2008	0.964025
Mar 25, 2008	Apr 24, 2008	0.957905
Apr 25, 2008	May 23, 2008	0.949433
May 27, 2008	Jun 24, 2008	0.940385
Jun 25, 2008	Jul 24, 2008	0.931904
Jul 25, 2008	Aug 22, 2008	0.921520
Aug 25, 2008	Sep 24, 2008	0.915315
Sep 25, 2008	Oct 24, 2008	0.908769
Oct 27, 2008	Nov 24, 2008	0.906233
Nov 25, 2008	Dec 24, 2008	0.895946
Dec 26, 2008	Jan 23, 2009	0.891195
Jan 26, 2009	Feb 24, 2009	0.883872
Feb 25, 2009	Mar 24, 2009	0.873085
Mar 25, 2009	Apr 24, 2009	0.855661
Apr 27, 2009	May 22, 2009	0.842135
May 26, 2009	Jun 24, 2009	0.821229
Jun 25, 2009	Jul 24, 2009	0.802069
Jul 27, 2009	Aug 24, 2009	0.784918
Aug 25, 2009	Sep 24, 2009	0.765503
Sep 25, 2009	Oct 23, 2009	0.756487
Oct 26, 2009	Nov 24, 2009	0.743832
Nov 25, 2009	Dec 24, 2009	0.733744
Dec 28, 2009	Jan 22, 2010	0.721475
Jan 25, 2010	Feb 24, 2010	0.707014
Feb 25, 2010	Mar 24, 2010	0.689045
Mar 25, 2010	Apr 23, 2010	0.680652
Apr 26, 2010	May 24, 2010	0.668320
May 25, 2010	Jun 24, 2010	0.658038
Jun 25, 2010	Jul 23, 2010	0.648939
Jul 26, 2010	Aug 24, 2010	0.634254
Aug 25, 2010	Sep 24, 2010	0.616299
Sep 27, 2010	Oct 22, 2010	0.600454
Oct 25, 2010	Nov 24, 2010	0.581264
Nov 26, 2010	Dec 23, 2010	0.561578
Dec 27, 2010	Jan 24, 2011	0.542375
Jan 25, 2011	Feb 24, 2011	0.521627
Feb 25, 2011	Mar 24, 2011	0.506859
Mar 25, 2011	Apr 22, 2011	0.495094
Apr 25, 2011	May 24, 2011	0.479889
May 25, 2011	Jun 24, 2011	0.471621
Jun 27, 2011	Jul 22, 2011	0.460713
Jul 25, 2011	Aug 24, 2011	0.449623
Aug 25, 2011	Sep 23, 2011	0.439242

1A75 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.424763
Oct 25, 2011	Nov 23, 2011	0.413880
Nov 25, 2011	Dec 23, 2011	0.405296
Dec 27, 2011	Jan 24, 2012	0.396266
Jan 25, 2012	Feb 24, 2012	0.388767
Feb 27, 2012	Mar 23, 2012	0.384130
Mar 26, 2012	Apr 24, 2012	0.381624
Apr 25, 2012	May 24, 2012	0.375631
May 25, 2012	Jun 22, 2012	0.368546
Jun 25, 2012	Jul 24, 2012	0.364701
Jul 25, 2012	Aug 24, 2012	0.358813
Aug 27, 2012	Sep 24, 2012	0.353319
Sep 25, 2012	Oct 24, 2012	0.347614
Oct 25, 2012	Nov 23, 2012	0.339963
Nov 26, 2012	Dec 24, 2012	0.336126
Dec 26, 2012	Jan 24, 2013	0.332798
Jan 25, 2013	Feb 22, 2013	0.326530
Feb 25, 2013	Mar 22, 2013	0.319530
Mar 25, 2013	Apr 24, 2013	0.315014
Apr 25, 2013	May 24, 2013	0.309394
May 28, 2013	Jun 24, 2013	0.300826
Jun 25, 2013	Jul 24, 2013	0.295311
Jul 25, 2013	Aug 23, 2013	0.286980
Aug 26, 2013	Sep 24, 2013	0.277504
Sep 25, 2013	Oct 24, 2013	0.270635
Oct 25, 2013	Nov 22, 2013	0.266424
Nov 25, 2013	Dec 24, 2013	0.261958
Dec 26, 2013	Jan 24, 2014	0.257037
Jan 27, 2014	Feb 24, 2014	0.253079
Feb 25, 2014	Mar 24, 2014	0.249003
Mar 25, 2014	Apr 24, 2014	0.246168
Apr 25, 2014	May 23, 2014	0.241169
May 27, 2014	Jun 24, 2014	0.236020
Jun 25, 2014	Jul 24, 2014	0.232023
Jul 25, 2014	Aug 22, 2014	0.227532
Aug 25, 2014	Sep 24, 2014	0.224201
Sep 25, 2014	Oct 24, 2014	0.219741
Oct 27, 2014	Nov 24, 2014	0.217804
Nov 25, 2014	Dec 24, 2014	0.213019
Dec 26, 2014	Jan 23, 2015	0.209069
Jan 26, 2015	Feb 24, 2015	0.205133
Feb 25, 2015	Mar 24, 2015	0.201359
Mar 25, 2015	Apr 24, 2015	0.199982
Apr 27, 2015	May 22, 2015	0.196702
May 26, 2015	Jun 24, 2015	0.192902
Jun 25, 2015		0.190866

1A76 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.996996
Sep 25, 2007	Oct 24, 2007	0.985497
Oct 25, 2007	Nov 23, 2007	0.976386
Nov 26, 2007	Dec 24, 2007	0.966889
Dec 26, 2007	Jan 24, 2008	0.965871
Jan 25, 2008	Feb 22, 2008	0.953014
Feb 25, 2008	Mar 24, 2008	0.937055
Mar 25, 2008	Apr 24, 2008	0.927982
Apr 25, 2008	May 23, 2008	0.911665
May 27, 2008	Jun 24, 2008	0.903518
Jun 25, 2008	Jul 24, 2008	0.883001
Jul 25, 2008	Aug 22, 2008	0.861246
Aug 25, 2008	Sep 24, 2008	0.855560
Sep 25, 2008	Oct 24, 2008	0.853770
Oct 27, 2008	Nov 24, 2008	0.851547
Nov 25, 2008	Dec 24, 2008	0.846820
Dec 26, 2008	Jan 23, 2009	0.841363
Jan 26, 2009	Feb 24, 2009	0.832475
Feb 25, 2009	Mar 24, 2009	0.822177
Mar 25, 2009	Apr 24, 2009	0.815166
Apr 27, 2009	May 22, 2009	0.808246
May 26, 2009	Jun 24, 2009	0.799228
Jun 25, 2009	Jul 24, 2009	0.797026
Jul 27, 2009	Aug 24, 2009	0.775259
Aug 25, 2009	Sep 24, 2009	0.760889
Sep 25, 2009	Oct 23, 2009	0.749450
Oct 26, 2009	Nov 24, 2009	0.740566
Nov 25, 2009	Dec 24, 2009	0.731338
Dec 28, 2009	Jan 22, 2010	0.719173
Jan 25, 2010	Feb 24, 2010	0.715159
Feb 25, 2010	Mar 24, 2010	0.706239
Mar 25, 2010	Apr 23, 2010	0.698411
Apr 26, 2010	May 24, 2010	0.678881
May 25, 2010	Jun 24, 2010	0.677240
Jun 25, 2010	Jul 23, 2010	0.667722
Jul 26, 2010	Aug 24, 2010	0.664300
Aug 25, 2010	Sep 24, 2010	0.640346
Sep 27, 2010	Oct 22, 2010	0.632169
Oct 25, 2010	Nov 24, 2010	0.623966
Nov 26, 2010	Dec 23, 2010	0.611122
Dec 27, 2010	Jan 24, 2011	0.610364
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.581745
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.570381
Apr 25, 2011	May 24, 2011	0.558658
May 25, 2011	Jun 24, 2011	0.549576
Jun 27, 2011	Jul 22, 2011	0.546372
Jul 25, 2011	Aug 24, 2011	0.539024
Aug 25, 2011	Sep 23, 2011	0.526793
, 146 23, 2011	JCP 23, 2011	0.525938

1A76 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.514396
Oct 25, 2011	Nov 23, 2011	0.495232
Nov 25, 2011	Dec 23, 2011	0.491520
Dec 27, 2011	Jan 24, 2012	0.491058
Jan 25, 2012	Feb 24, 2012	0.489478
Feb 27, 2012	Mar 23, 2012	0.489184
Mar 26, 2012	Apr 24, 2012	0.481319
Apr 25, 2012	May 24, 2012	0.473396
May 25, 2012	Jun 22, 2012	0.470320
Jun 25, 2012	Jul 24, 2012	0.468109
Jul 25, 2012	Aug 24, 2012	0.465322
Aug 27, 2012	Sep 24, 2012	0.462322
Sep 25, 2012	Oct 24, 2012	0.457310
Oct 25, 2012	Nov 23, 2012	0.451330
Nov 26, 2012	Dec 24, 2012	0.444584
Dec 26, 2012	Jan 24, 2013	0.437540
Jan 25, 2013	Feb 22, 2013	0.429829
Feb 25, 2013	Mar 22, 2013	0.427795
Mar 25, 2013	Apr 24, 2013	0.423662
Apr 25, 2013	May 24, 2013	0.420174
May 28, 2013	Jun 24, 2013	0.417840
Jun 25, 2013	Jul 24, 2013	0.408016
Jul 25, 2013	Aug 23, 2013	0.400274
Aug 26, 2013	Sep 24, 2013	0.395962
Sep 25, 2013	Oct 24, 2013	0.395155
Oct 25, 2013	Nov 22, 2013	0.391569
Nov 25, 2013	Dec 24, 2013	0.388665
Dec 26, 2013	Jan 24, 2014	0.381444
Jan 27, 2014	Feb 24, 2014	0.372962
Feb 25, 2014	Mar 24, 2014	0.368780
Mar 25, 2014	Apr 24, 2014	0.368470
Apr 25, 2014	May 23, 2014	0.366029
May 27, 2014	Jun 24, 2014	0.366136
Jun 25, 2014	Jul 24, 2014	0.363508
Jul 25, 2014	Aug 22, 2014	0.356491
Aug 25, 2014	Sep 24, 2014	0.348047
Sep 25, 2014	Oct 24, 2014	0.346813
Oct 27, 2014	Nov 24, 2014	0.344800
Nov 25, 2014	Dec 24, 2014	0.337123
Dec 26, 2014	Jan 23, 2015	0.328008
Jan 26, 2015	Feb 24, 2015	0.323972
Feb 25, 2015	Mar 24, 2015	0.323965
Mar 25, 2015	Apr 24, 2015	0.321954
Apr 27, 2015	May 22, 2015	0.312022
May 26, 2015	Jun 24, 2015	0.307902
Jun 25, 2015		0.306005
		0.300003

1A77 Certificate Factor Chart

From	То	<u>Factor</u>
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A77 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.996782
Feb 27, 2012	Mar 23, 2012	0.996182
Mar 26, 2012	Apr 24, 2012	0.980166
Apr 25, 2012	May 24, 2012	0.964033
May 25, 2012	Jun 22, 2012	0.957767
Jun 25, 2012	Jul 24, 2012	0.953265
Jul 25, 2012	Aug 24, 2012	0.947591
Aug 27, 2012	Sep 24, 2012	0.941480
Sep 25, 2012	Oct 24, 2012	0.931274
Oct 25, 2012	Nov 23, 2012	0.919096
Nov 26, 2012	Dec 24, 2012	0.905358
Dec 26, 2012	Jan 24, 2013	0.891013
Jan 25, 2013	Feb 22, 2013	0.875310
Feb 25, 2013	Mar 22, 2013	0.871169
Mar 25, 2013	Apr 24, 2013	0.862753
Apr 25, 2013	May 24, 2013	0.855650
May 28, 2013	Jun 24, 2013	0.850896
Jun 25, 2013	Jul 24, 2013	0.830892
Jul 25, 2013	Aug 23, 2013	0.815125
Aug 26, 2013	Sep 24, 2013	0.806343
Sep 25, 2013	Oct 24, 2013	0.804701
Oct 25, 2013	Nov 22, 2013	0.797398
Nov 25, 2013	Dec 24, 2013	0.791483
Dec 26, 2013	Jan 24, 2014	0.776779
Jan 27, 2014	Feb 24, 2014	0.759506
Feb 25, 2014	Mar 24, 2014	0.750989
Mar 25, 2014	Apr 24, 2014	0.750359
Apr 25, 2014	May 23, 2014	0.745388
May 27, 2014	Jun 24, 2014	0.745607
Jun 25, 2014	Jul 24, 2014	0.740255
Jul 25, 2014	Aug 22, 2014	0.725965
Aug 25, 2014	Sep 24, 2014	0.708769
Sep 25, 2014	Oct 24, 2014	0.706255
Oct 27, 2014	Nov 24, 2014	0.702157
Nov 25, 2014	Dec 24, 2014	0.686523
Dec 26, 2014	Jan 23, 2015	0.667961
Jan 26, 2015	Feb 24, 2015	0.659742
Feb 25, 2015	Mar 24, 2015	0.659729
Mar 25, 2015	Apr 24, 2015	0.655632
Apr 27, 2015	May 22, 2015	0.635407
May 26, 2015	Jun 24, 2015	0.627017
Jun 25, 2015		0.623154

1A78 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997267
Sep 25, 2007	Oct 24, 2007	0.986804
Oct 25, 2007	Nov 23, 2007	0.978514
Nov 26, 2007	Dec 24, 2007	0.969873
Dec 26, 2007	Jan 24, 2008	0.968947
Jan 25, 2008	Feb 22, 2008	0.957249
Feb 25, 2008	Mar 24, 2008	0.942728
Mar 25, 2008	Apr 24, 2008	0.934473
Apr 25, 2008	May 23, 2008	0.919627
May 27, 2008	Jun 24, 2008	0.912214
Jun 25, 2008	Jul 24, 2008	0.893546
Jul 25, 2008	Aug 22, 2008	0.873751
Aug 25, 2008	Sep 24, 2008	0.868578
Sep 25, 2008	Oct 24, 2008	0.866950
Oct 27, 2008	Nov 24, 2008	0.864926
Nov 25, 2008	Dec 24, 2008	0.860626
Dec 26, 2008	Jan 23, 2009	0.855661
Jan 26, 2009	Feb 24, 2009	0.847573
Feb 25, 2009	Mar 24, 2009	0.838204
Mar 25, 2009	Apr 24, 2009	0.831825
Apr 27, 2009	May 22, 2009	0.825529
May 26, 2009	Jun 24, 2009	0.817324
Jun 25, 2009	Jul 24, 2009	0.815320
Jul 27, 2009	Aug 24, 2009	0.795514
Aug 25, 2009	Sep 24, 2009	0.782439
Sep 25, 2009	Oct 23, 2009	0.772032
Oct 26, 2009	Nov 24, 2009	0.763948
Nov 25, 2009	Dec 24, 2009	0.755552
Dec 28, 2009	Jan 22, 2010	0.744484
Jan 25, 2010	Feb 24, 2010	0.740831
Feb 25, 2010	Mar 24, 2010	0.732715
Mar 25, 2010	Apr 23, 2010	0.725593
Apr 26, 2010	May 24, 2010	0.707823
May 25, 2010	Jun 24, 2010	0.706330
Jun 25, 2010	Jul 23, 2010	0.697669
Jul 26, 2010	Aug 24, 2010	0.694556
Aug 25, 2010	Sep 24, 2010	0.672761
Sep 27, 2010	Oct 22, 2010	0.665321
Oct 25, 2010	Nov 24, 2010	0.657857
Nov 26, 2010	Dec 23, 2010	0.646171
Dec 27, 2010	Jan 24, 2011	0.645481
Jan 25, 2011	Feb 24, 2011	0.619442
Feb 25, 2011	Mar 24, 2011	0.609101
Mar 25, 2011	Apr 22, 2011	0.598435
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.590172
Jun 27, 2011	Jul 22, 2011	0.587257
Jul 25, 2011	Aug 24, 2011	0.580571
Aug 25, 2011	Sep 23, 2011	0.569442
Aug 23, 2011	JCP 23, 2011	0.568664

1A78 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.558162
Oct 25, 2011	Nov 23, 2011	0.540726
Nov 25, 2011	Dec 23, 2011	0.537348
Dec 27, 2011	Jan 24, 2012	0.536928
Jan 25, 2012	Feb 24, 2012	0.535201
Feb 27, 2012	Mar 23, 2012	0.534879
Mar 26, 2012	Apr 24, 2012	0.526279
Apr 25, 2012	May 24, 2012	0.517617
May 25, 2012	Jun 22, 2012	0.514252
Jun 25, 2012	Jul 24, 2012	0.511835
Jul 25, 2012	Aug 24, 2012	0.508788
Aug 27, 2012	Sep 24, 2012	0.505507
Sep 25, 2012	Oct 24, 2012	0.500028
Oct 25, 2012	Nov 23, 2012	0.493489
Nov 26, 2012	Dec 24, 2012	0.486112
Dec 26, 2012	Jan 24, 2013	0.478410
Jan 25, 2013	Feb 22, 2013	0.469979
Feb 25, 2013	Mar 22, 2013	0.467755
Mar 25, 2013	Apr 24, 2013	0.463237
Apr 25, 2013	May 24, 2013	0.459423
May 28, 2013	Jun 24, 2013	0.456870
Jun 25, 2013	Jul 24, 2013	0.446129
Jul 25, 2013	Aug 23, 2013	0.437664
Aug 26, 2013	Sep 24, 2013	0.432949
Sep 25, 2013	Oct 24, 2013	0.432067
Oct 25, 2013	Nov 22, 2013	0.428146
Nov 25, 2013	Dec 24, 2013	0.424970
Dec 26, 2013	Jan 24, 2014	0.417075
Jan 27, 2014	Feb 24, 2014	0.407801
Feb 25, 2014	Mar 24, 2014	0.403228
Mar 25, 2014	Apr 24, 2014	0.402889
Apr 25, 2014	May 23, 2014	0.400220
May 27, 2014	Jun 24, 2014	0.400337
Jun 25, 2014	Jul 24, 2014	0.397464
Jul 25, 2014	Aug 22, 2014	0.389791
Aug 25, 2014	Sep 24, 2014	0.380559
Sep 25, 2014	Oct 24, 2014	0.379209
Oct 27, 2014	Nov 24, 2014	0.377008
Nov 25, 2014	Dec 24, 2014	0.368614
Dec 26, 2014	Jan 23, 2015	0.358647
Jan 26, 2015	Feb 24, 2015	0.354234
Feb 25, 2015	Mar 24, 2015	0.354227
Mar 25, 2015	Apr 24, 2015	0.352028
Apr 27, 2015	May 22, 2015	0.341168
May 26, 2015	Jun 24, 2015	0.336663
Jun 25, 2015		0.334589
Jan 26, 2015 Feb 25, 2015 Mar 25, 2015 Apr 27, 2015 May 26, 2015	Feb 24, 2015 Mar 24, 2015 Apr 24, 2015 May 22, 2015	0.354234 0.354227 0.352028 0.341168 0.336663

1A79 Certificate Factor Chart

From	То	<u>Factor</u>
<u> </u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010 Oct 25, 2010	Oct 22, 2010 Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A79 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.996782
Feb 27, 2012	Mar 23, 2012	0.996182
Mar 26, 2012	Apr 24, 2012	0.980166
Apr 25, 2012	May 24, 2012	0.964033
May 25, 2012	Jun 22, 2012	0.957767
Jun 25, 2012	Jul 24, 2012	0.953265
Jul 25, 2012	Aug 24, 2012	0.947591
Aug 27, 2012	Sep 24, 2012	0.941480
Sep 25, 2012	Oct 24, 2012	0.931274
Oct 25, 2012	Nov 23, 2012	0.919096
Nov 26, 2012	Dec 24, 2012	0.905358
Dec 26, 2012	Jan 24, 2013	0.891013
Jan 25, 2013	Feb 22, 2013	0.875310
Feb 25, 2013	Mar 22, 2013	0.871169
Mar 25, 2013	Apr 24, 2013	0.862753
Apr 25, 2013	May 24, 2013	0.855650
May 28, 2013	Jun 24, 2013	0.850896
Jun 25, 2013	Jul 24, 2013	0.830892
Jul 25, 2013	Aug 23, 2013	0.815125
Aug 26, 2013	Sep 24, 2013	0.806343
Sep 25, 2013	Oct 24, 2013	0.804701
Oct 25, 2013	Nov 22, 2013	0.797398
Nov 25, 2013	Dec 24, 2013	0.791483
Dec 26, 2013	Jan 24, 2014	0.776779
Jan 27, 2014	Feb 24, 2014	0.759506
Feb 25, 2014	Mar 24, 2014	0.750989
Mar 25, 2014	Apr 24, 2014	0.750359
Apr 25, 2014	May 23, 2014	0.745388
May 27, 2014	Jun 24, 2014	0.745607
Jun 25, 2014	Jul 24, 2014	0.740255
Jul 25, 2014	Aug 22, 2014	0.725965
Aug 25, 2014	Sep 24, 2014	0.708769
Sep 25, 2014	Oct 24, 2014	0.706255
Oct 27, 2014	Nov 24, 2014	0.702157
Nov 25, 2014	Dec 24, 2014	0.686523
Dec 26, 2014	Jan 23, 2015	0.667961
Jan 26, 2015	Feb 24, 2015	0.659742
Feb 25, 2015	Mar 24, 2015	0.659729
Mar 25, 2015	Apr 24, 2015	0.655632
Apr 27, 2015	May 22, 2015	0.635407
May 26, 2015	Jun 24, 2015	0.627017
Jun 25, 2015		0.623154

1A80 Certificate Factor Chart

From	То	<u>Factor</u>
<u></u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997471
Sep 25, 2007	Oct 24, 2007	0.987787
Oct 25, 2007	Nov 23, 2007	0.980115
Nov 26, 2007	Dec 24, 2007	0.972117
Dec 26, 2007	Jan 24, 2008	0.971260
Jan 25, 2008	Feb 22, 2008	0.960434
Feb 25, 2008	Mar 24, 2008	0.946994
Mar 25, 2008	Apr 24, 2008	0.939354
Apr 25, 2008	May 23, 2008	0.925614
May 27, 2008	Jun 24, 2008	0.918753
Jun 25, 2008	Jul 24, 2008	0.901476
Jul 25, 2008	Aug 22, 2008	0.883156
Aug 25, 2008	Sep 24, 2008	0.878368
Sep 25, 2008	Oct 24, 2008	0.876861
Oct 27, 2008	Nov 24, 2008	0.874988
Nov 25, 2008	Dec 24, 2008	0.871008
Dec 26, 2008	Jan 23, 2009	0.866413
Jan 26, 2009	Feb 24, 2009	0.858928
Feb 25, 2009	Mar 24, 2009	0.850256
Mar 25, 2009	Apr 24, 2009	0.844353
Apr 27, 2009	May 22, 2009	0.838526
May 26, 2009	Jun 24, 2009	
Jun 25, 2009	Jul 24, 2009	0.830932 0.829077
Jul 27, 2009	Aug 24, 2009	0.810747
Aug 25, 2009	Sep 24, 2009	0.798646
Sep 25, 2009	Oct 23, 2009	0.789014
Oct 26, 2009	Nov 24, 2009	0.783014
Nov 25, 2009	Dec 24, 2009	0.773761
Dec 28, 2009	Jan 22, 2010	0.763518
Jan 25, 2010	Feb 24, 2010	0.760137
Feb 25, 2010	Mar 24, 2010	0.752626
Mar 25, 2010	Apr 23, 2010	0.746034
Apr 26, 2010	May 24, 2010	0.729589
May 25, 2010	Jun 24, 2010	0.728207
Jun 25, 2010	Jul 23, 2010	0.720191
Jul 26, 2010	Aug 24, 2010	0.717309
Aug 25, 2010	Sep 24, 2010	0.697138
Sep 27, 2010	Oct 22, 2010	0.690253
Oct 25, 2010	Nov 24, 2010	0.683344
Nov 26, 2010	Dec 23, 2010	0.672529
Dec 27, 2010	Jan 24, 2011	0.671890
Jan 25, 2011	Feb 24, 2011	0.647791
Feb 25, 2011	Mar 24, 2011	0.638221
Mar 25, 2011	Apr 22, 2011	0.628349
Apr 25, 2011	May 24, 2011	0.620702
May 25, 2011	Jun 24, 2011	0.618004
Jun 27, 2011	Jul 22, 2011	0.611815
Jul 25, 2011	Aug 24, 2011	0.601516
Aug 25, 2011	Sep 23, 2011	0.600796

1A80 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.591076
Oct 25, 2011	Nov 23, 2011	0.574939
Nov 25, 2011	Dec 23, 2011	0.571813
Dec 27, 2011	Jan 24, 2012	0.571424
Jan 25, 2012	Feb 24, 2012	0.569585
Feb 27, 2012	Mar 23, 2012	0.569243
Mar 26, 2012	Apr 24, 2012	0.560091
Apr 25, 2012	May 24, 2012	0.550872
May 25, 2012	Jun 22, 2012	0.547291
Jun 25, 2012	Jul 24, 2012	0.544719
Jul 25, 2012	Aug 24, 2012	0.541476
Aug 27, 2012	Sep 24, 2012	0.537984
Sep 25, 2012	Oct 24, 2012	0.532153
Oct 25, 2012	Nov 23, 2012	0.525194
Nov 26, 2012	Dec 24, 2012	0.517343
Dec 26, 2012	Jan 24, 2013	0.509146
Jan 25, 2013	Feb 22, 2013	0.500174
Feb 25, 2013	Mar 22, 2013	0.497807
Mar 25, 2013	Apr 24, 2013	0.492998
Apr 25, 2013	May 24, 2013	0.488939
May 28, 2013	Jun 24, 2013	0.486223
Jun 25, 2013	Jul 24, 2013	0.474792
Jul 25, 2013	Aug 23, 2013	0.465782
Aug 26, 2013	Sep 24, 2013	0.460764
Sep 25, 2013	Oct 24, 2013	0.459826
Oct 25, 2013	Nov 22, 2013	0.455652
Nov 25, 2013	Dec 24, 2013	0.452273
Dec 26, 2013	Jan 24, 2014	0.443871
Jan 27, 2014	Feb 24, 2014	0.434000
Feb 25, 2014	Mar 24, 2014	0.429134
Mar 25, 2014	Apr 24, 2014	0.428774
Apr 25, 2014	May 23, 2014	0.425933
May 27, 2014	Jun 24, 2014	0.426058
Jun 25, 2014	Jul 24, 2014	0.422999
Jul 25, 2014	Aug 22, 2014	0.414834
Aug 25, 2014	Sep 24, 2014	0.405008
Sep 25, 2014	Oct 24, 2014	0.403571
Oct 27, 2014	Nov 24, 2014	0.401229
Nov 25, 2014	Dec 24, 2014	0.392296
Dec 26, 2014	Jan 23, 2015	0.381689
Jan 26, 2015	Feb 24, 2015	0.376992
Feb 25, 2015	Mar 24, 2015	0.376985
Mar 25, 2015	Apr 24, 2015	0.374644
Apr 27, 2015	May 22, 2015	0.363087
May 26, 2015	Jun 24, 2015	0.358293
Jun 25, 2015		0.356085
Mar 25, 2013 Apr 25, 2013 May 28, 2013 Jun 25, 2013 Jul 25, 2013 Aug 26, 2013 Sep 25, 2013 Oct 25, 2013 Nov 25, 2013 Dec 26, 2013 Jan 27, 2014 Feb 25, 2014 Mar 25, 2014 May 27, 2014 Jun 25, 2014 Jun 25, 2014 Aug 25, 2014 Aug 25, 2014 Oct 27, 2014 Dec 26, 2014 Dec 26, 2015 Feb 25, 2015 Mar 25, 2015 Apr 27, 2015 May 26, 2015	Mar 22, 2013 Apr 24, 2013 May 24, 2013 Jun 24, 2013 Jul 24, 2013 Aug 23, 2013 Sep 24, 2013 Oct 24, 2013 Dec 24, 2013 Jan 24, 2014 Feb 24, 2014 Mar 24, 2014 May 23, 2014 Jun 24, 2014 Jul 24, 2014 Aug 22, 2014 Sep 24, 2014 Nov 24, 2014 Nov 24, 2014 Nov 24, 2014 Dec 24, 2014 Feb 24, 2014 Aug 22, 2014 Sep 24, 2014 Aug 22, 2014 Sep 24, 2014 Nov 24, 2014 Dec 24, 2014 Dec 24, 2015 Mar 24, 2015 May 22, 2015	0.497807 0.492998 0.488939 0.486223 0.474792 0.465782 0.460764 0.459826 0.455652 0.452273 0.443871 0.434000 0.429134 0.428774 0.425933 0.426058 0.422999 0.414834 0.405008 0.403571 0.401229 0.392296 0.381689 0.376992 0.376985 0.374644 0.363087 0.358293

1A81 Certificate Factor Chart

From	То	<u>Factor</u>
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011	Feb 24, 2011	0.689750
Feb 25, 2011	Mar 24, 2011	0.682508
Mar 25, 2011	Apr 22, 2011	0.674716
Apr 25, 2011	May 24, 2011	0.667134
May 25, 2011	Jun 24, 2011	0.662305
Jun 27, 2011	Jul 22, 2011	0.655648
Jul 25, 2011	Aug 24, 2011	0.645537
Aug 25, 2011	Sep 23, 2011	0.638723

1A81 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.561608
Sep 25, 2012	Oct 24, 2012	0.545817
Oct 25, 2012	Nov 23, 2012	0.537243
Nov 26, 2012	Dec 24, 2012	0.530072
Dec 26, 2012	Jan 24, 2013	0.523430
Jan 25, 2013	Feb 22, 2013	0.517850
Feb 25, 2013	Mar 22, 2013	0.509584
Mar 25, 2013	Apr 24, 2013	0.503516
Apr 25, 2013	May 24, 2013	0.494859
May 28, 2013	Jun 24, 2013	0.486996
Jun 25, 2013	Jul 24, 2013	0.481235
Jul 25, 2013	Aug 23, 2013	0.473260
Aug 26, 2013	Sep 24, 2013	0.464594
Sep 25, 2013	Oct 24, 2013	0.460416
Oct 25, 2013	Nov 22, 2013	0.453764
Nov 25, 2013	Dec 24, 2013	0.446512
Dec 26, 2013	Jan 24, 2014	0.441708
Jan 27, 2014	Feb 24, 2014	0.437745
Feb 25, 2014	Mar 24, 2014	0.434419
Mar 25, 2014	Apr 24, 2014	0.432824
Apr 25, 2014	May 23, 2014	0.427932
May 27, 2014	Jun 24, 2014	0.421709
Jun 25, 2014	Jul 24, 2014	0.414522
Jul 25, 2014	Aug 22, 2014	0.409786
Aug 25, 2014	Sep 24, 2014	0.406655
Sep 25, 2014	Oct 24, 2014	0.397313
Oct 27, 2014	Nov 24, 2014	0.395248
Nov 25, 2014	Dec 24, 2014	0.388185
Dec 26, 2014	Jan 23, 2015	0.382682
Jan 26, 2015	Feb 24, 2015	0.379013
Feb 25, 2015	Mar 24, 2015	0.375280
Mar 25, 2015	Apr 24, 2015	0.373272
Apr 27, 2015	May 22, 2015	0.367999
May 26, 2015	Jun 24, 2015	0.362122
Jun 25, 2015		0.360502

1A82 Certificate Factor Chart

From	То	<u>Factor</u>
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011	Feb 24, 2011	0.689750
Feb 25, 2011	Mar 24, 2011	0.682508
Mar 25, 2011	Apr 22, 2011	0.674716
Apr 25, 2011	May 24, 2011	0.667134
May 25, 2011 Jun 27, 2011	Jun 24, 2011	0.662305
	Jul 22, 2011	0.655648
Jul 25, 2011	Aug 24, 2011 Sep 23, 2011	0.645537
Aug 25, 2011	3ep 23, 2011	0.638723

1A82 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.561608
Sep 25, 2012	Oct 24, 2012	0.545817
Oct 25, 2012	Nov 23, 2012	0.537243
Nov 26, 2012	Dec 24, 2012	0.530072
Dec 26, 2012	Jan 24, 2013	0.523430
Jan 25, 2013	Feb 22, 2013	0.517850
Feb 25, 2013	Mar 22, 2013	0.509584
Mar 25, 2013	Apr 24, 2013	0.503516
Apr 25, 2013	May 24, 2013	0.494859
May 28, 2013	Jun 24, 2013	0.486996
Jun 25, 2013	Jul 24, 2013	0.481235
Jul 25, 2013	Aug 23, 2013	0.473260
Aug 26, 2013	Sep 24, 2013	0.464594
Sep 25, 2013	Oct 24, 2013	0.460416
Oct 25, 2013	Nov 22, 2013	0.453764
Nov 25, 2013	Dec 24, 2013	0.446512
Dec 26, 2013	Jan 24, 2014	0.441708
Jan 27, 2014	Feb 24, 2014	0.437745
Feb 25, 2014	Mar 24, 2014	0.434419
Mar 25, 2014	Apr 24, 2014	0.432824
Apr 25, 2014	May 23, 2014	0.427932
May 27, 2014	Jun 24, 2014	0.421709
Jun 25, 2014	Jul 24, 2014	0.414522
Jul 25, 2014	Aug 22, 2014	0.409786
Aug 25, 2014	Sep 24, 2014	0.406655
Sep 25, 2014	Oct 24, 2014	0.397313
Oct 27, 2014	Nov 24, 2014	0.395248
Nov 25, 2014	Dec 24, 2014	0.388185
Dec 26, 2014	Jan 23, 2015	0.382682
Jan 26, 2015	Feb 24, 2015	0.379013
Feb 25, 2015	Mar 24, 2015	0.375280
Mar 25, 2015	Apr 24, 2015	0.373272
Apr 27, 2015	May 22, 2015	0.367999
May 26, 2015	Jun 24, 2015	0.362122
Jun 25, 2015		0.360502

1A83 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.689750
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.682508
Apr 25, 2011	May 24, 2011	0.674716
May 25, 2011	Jun 24, 2011	0.667134
Jun 27, 2011	Jul 22, 2011	0.662305
Jul 25, 2011	Aug 24, 2011	0.655648
Aug 25, 2011	Sep 23, 2011	0.645537
	30p 23, 2011	0.638723

1A83 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.561608
Sep 25, 2012	Oct 24, 2012	0.545817
Oct 25, 2012	Nov 23, 2012	0.537243
Nov 26, 2012	Dec 24, 2012	0.530072
Dec 26, 2012	Jan 24, 2013	0.523430
Jan 25, 2013	Feb 22, 2013	0.517850
Feb 25, 2013	Mar 22, 2013	0.509584
Mar 25, 2013	Apr 24, 2013	0.503516
Apr 25, 2013	May 24, 2013	0.494859
May 28, 2013	Jun 24, 2013	0.486996
Jun 25, 2013	Jul 24, 2013	0.481235
Jul 25, 2013	Aug 23, 2013	0.473260
Aug 26, 2013	Sep 24, 2013	0.464594
Sep 25, 2013	Oct 24, 2013	0.460416
Oct 25, 2013	Nov 22, 2013	0.453764
Nov 25, 2013	Dec 24, 2013	0.446512
Dec 26, 2013	Jan 24, 2014	0.441708
Jan 27, 2014	Feb 24, 2014	0.437745
Feb 25, 2014	Mar 24, 2014	0.434419
Mar 25, 2014	Apr 24, 2014	0.432824
Apr 25, 2014	May 23, 2014	0.427932
May 27, 2014	Jun 24, 2014	0.421709
Jun 25, 2014	Jul 24, 2014	0.414522
Jul 25, 2014	Aug 22, 2014	0.409786
Aug 25, 2014	Sep 24, 2014	0.406655
Sep 25, 2014	Oct 24, 2014	0.397313
Oct 27, 2014	Nov 24, 2014	0.395248
Nov 25, 2014	Dec 24, 2014	0.388185
Dec 26, 2014	Jan 23, 2015	0.382682
Jan 26, 2015	Feb 24, 2015	0.379013
Feb 25, 2015	Mar 24, 2015	0.375280
Mar 25, 2015	Apr 24, 2015	0.373272
Apr 27, 2015	May 22, 2015	0.367999
May 26, 2015	Jun 24, 2015	0.362122
Jun 25, 2015		0.360502

1A84 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.689750
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.682508
Apr 25, 2011	May 24, 2011	0.674716
May 25, 2011	Jun 24, 2011	0.667134
Jun 27, 2011	Jul 22, 2011	0.662305
Jul 25, 2011	Aug 24, 2011	0.655648
Aug 25, 2011	Sep 23, 2011	0.645537
	30p 23, 2011	0.638723

1A84 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.561608
Sep 25, 2012	Oct 24, 2012	0.545817
Oct 25, 2012	Nov 23, 2012	0.537243
Nov 26, 2012	Dec 24, 2012	0.530072
Dec 26, 2012	Jan 24, 2013	0.523430
Jan 25, 2013	Feb 22, 2013	0.517850
Feb 25, 2013	Mar 22, 2013	0.509584
Mar 25, 2013	Apr 24, 2013	0.503516
Apr 25, 2013	May 24, 2013	0.494859
May 28, 2013	Jun 24, 2013	0.486996
Jun 25, 2013	Jul 24, 2013	0.481235
Jul 25, 2013	Aug 23, 2013	0.473260
Aug 26, 2013	Sep 24, 2013	0.464594
Sep 25, 2013	Oct 24, 2013	0.460416
Oct 25, 2013	Nov 22, 2013	0.453764
Nov 25, 2013	Dec 24, 2013	0.446512
Dec 26, 2013	Jan 24, 2014	0.441708
Jan 27, 2014	Feb 24, 2014	0.437745
Feb 25, 2014	Mar 24, 2014	0.434419
Mar 25, 2014	Apr 24, 2014	0.432824
Apr 25, 2014	May 23, 2014	0.427932
May 27, 2014	Jun 24, 2014	0.421709
Jun 25, 2014	Jul 24, 2014	0.414522
Jul 25, 2014	Aug 22, 2014	0.409786
Aug 25, 2014	Sep 24, 2014	0.406655
Sep 25, 2014	Oct 24, 2014	0.397313
Oct 27, 2014	Nov 24, 2014	0.395248
Nov 25, 2014	Dec 24, 2014	0.388185
Dec 26, 2014	Jan 23, 2015	0.382682
Jan 26, 2015	Feb 24, 2015	0.379013
Feb 25, 2015	Mar 24, 2015	0.375280
Mar 25, 2015	Apr 24, 2015	0.373272
Apr 27, 2015	May 22, 2015	0.367999
May 26, 2015	Jun 24, 2015	0.362122
Jun 25, 2015		0.360502

1A85 Certificate Factor Chart

From	То	<u>Factor</u>
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011	Feb 24, 2011	0.689750
Feb 25, 2011	Mar 24, 2011	0.682508
Mar 25, 2011	Apr 22, 2011	0.674716
Apr 25, 2011	May 24, 2011	0.667134
May 25, 2011 Jun 27, 2011	Jun 24, 2011	0.662305
	Jul 22, 2011	0.655648
Jul 25, 2011	Aug 24, 2011 Sep 23, 2011	0.645537
Aug 25, 2011	3ep 23, 2011	0.638723

1A85 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.561608
Sep 25, 2012	Oct 24, 2012	0.545817
Oct 25, 2012	Nov 23, 2012	0.537243
Nov 26, 2012	Dec 24, 2012	0.530072
Dec 26, 2012	Jan 24, 2013	0.523430
Jan 25, 2013	Feb 22, 2013	0.517850
Feb 25, 2013	Mar 22, 2013	0.509584
Mar 25, 2013	Apr 24, 2013	0.503516
Apr 25, 2013	May 24, 2013	0.494859
May 28, 2013	Jun 24, 2013	0.486996
Jun 25, 2013	Jul 24, 2013	0.481235
Jul 25, 2013	Aug 23, 2013	0.473260
Aug 26, 2013	Sep 24, 2013	0.464594
Sep 25, 2013	Oct 24, 2013	0.460416
Oct 25, 2013	Nov 22, 2013	0.453764
Nov 25, 2013	Dec 24, 2013	0.446512
Dec 26, 2013	Jan 24, 2014	0.441708
Jan 27, 2014	Feb 24, 2014	0.437745
Feb 25, 2014	Mar 24, 2014	0.434419
Mar 25, 2014	Apr 24, 2014	0.432824
Apr 25, 2014	May 23, 2014	0.427932
May 27, 2014	Jun 24, 2014	0.421709
Jun 25, 2014	Jul 24, 2014	0.414522
Jul 25, 2014	Aug 22, 2014	0.409786
Aug 25, 2014	Sep 24, 2014	0.406655
Sep 25, 2014	Oct 24, 2014	0.397313
Oct 27, 2014	Nov 24, 2014	0.395248
Nov 25, 2014	Dec 24, 2014	0.388185
Dec 26, 2014	Jan 23, 2015	0.382682
Jan 26, 2015	Feb 24, 2015	0.379013
Feb 25, 2015	Mar 24, 2015	0.375280
Mar 25, 2015	Apr 24, 2015	0.373272
Apr 27, 2015	May 22, 2015	0.367999
May 26, 2015	Jun 24, 2015	0.362122
Jun 25, 2015		0.360502

1A86 Certificate Factor Chart

From	То	<u>Factor</u>
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	
Apr 25, 2008	May 23, 2008	0.941506
May 27, 2008	Jun 24, 2008	0.933406
Jun 25, 2008	Jul 24, 2008	0.930607
Jul 25, 2008	Aug 22, 2008	0.923816
Aug 25, 2008	Sep 24, 2008	0.915761
Sep 25, 2008	Oct 24, 2008	0.911826
Oct 27, 2008	Nov 24, 2008	0.905077
		0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011	Feb 24, 2011	0.689750
Feb 25, 2011	Mar 24, 2011	0.682508
Mar 25, 2011	Apr 22, 2011	0.674716
Apr 25, 2011	May 24, 2011	0.667134
May 25, 2011	Jun 24, 2011	0.662305
Jun 27, 2011	Jul 22, 2011	0.655648
Jul 25, 2011	Aug 24, 2011	0.645537
Aug 25, 2011	Sep 23, 2011	0.638723

1A86 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.561608
Sep 25, 2012	Oct 24, 2012	0.545817
Oct 25, 2012	Nov 23, 2012	0.537243
Nov 26, 2012	Dec 24, 2012	0.530072
Dec 26, 2012	Jan 24, 2013	0.523430
Jan 25, 2013	Feb 22, 2013	0.517850
Feb 25, 2013	Mar 22, 2013	0.509584
Mar 25, 2013	Apr 24, 2013	0.503516
Apr 25, 2013	May 24, 2013	0.494859
May 28, 2013	Jun 24, 2013	0.486996
Jun 25, 2013	Jul 24, 2013	0.481235
Jul 25, 2013	Aug 23, 2013	0.473260
Aug 26, 2013	Sep 24, 2013	0.464594
Sep 25, 2013	Oct 24, 2013	0.460416
Oct 25, 2013	Nov 22, 2013	0.453764
Nov 25, 2013	Dec 24, 2013	0.446512
Dec 26, 2013	Jan 24, 2014	0.441708
Jan 27, 2014	Feb 24, 2014	0.437745
Feb 25, 2014	Mar 24, 2014	0.434419
Mar 25, 2014	Apr 24, 2014	0.432824
Apr 25, 2014	May 23, 2014	0.427932
May 27, 2014	Jun 24, 2014	0.421709
Jun 25, 2014	Jul 24, 2014	0.414522
Jul 25, 2014	Aug 22, 2014	0.409786
Aug 25, 2014	Sep 24, 2014	0.406655
Sep 25, 2014	Oct 24, 2014	0.397313
Oct 27, 2014	Nov 24, 2014	0.395248
Nov 25, 2014	Dec 24, 2014	0.388185
Dec 26, 2014	Jan 23, 2015	0.382682
Jan 26, 2015	Feb 24, 2015	0.379013
Feb 25, 2015	Mar 24, 2015	0.375280
Mar 25, 2015	Apr 24, 2015	0.373272
Apr 27, 2015	May 22, 2015	0.367999
May 26, 2015	Jun 24, 2015	0.362122
Jun 25, 2015		0.360502

1A87 Certificate Factor Chart

From	То	<u>Factor</u>
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011	Feb 24, 2011	0.689750
Feb 25, 2011	Mar 24, 2011	0.682508
Mar 25, 2011	Apr 22, 2011	0.674716
Apr 25, 2011	May 24, 2011	0.667134
May 25, 2011 Jun 27, 2011	Jun 24, 2011	0.662305
	Jul 22, 2011	0.655648
Jul 25, 2011	Aug 24, 2011 Sep 23, 2011	0.645537
Aug 25, 2011	3ep 23, 2011	0.638723

1A87 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.561608
Sep 25, 2012	Oct 24, 2012	0.545817
Oct 25, 2012	Nov 23, 2012	0.537243
Nov 26, 2012	Dec 24, 2012	0.530072
Dec 26, 2012	Jan 24, 2013	0.523430
Jan 25, 2013	Feb 22, 2013	0.517850
Feb 25, 2013	Mar 22, 2013	0.509584
Mar 25, 2013	Apr 24, 2013	0.503516
Apr 25, 2013	May 24, 2013	0.494859
May 28, 2013	Jun 24, 2013	0.486996
Jun 25, 2013	Jul 24, 2013	0.481235
Jul 25, 2013	Aug 23, 2013	0.473260
Aug 26, 2013	Sep 24, 2013	0.464594
Sep 25, 2013	Oct 24, 2013	0.460416
Oct 25, 2013	Nov 22, 2013	0.453764
Nov 25, 2013	Dec 24, 2013	0.446512
Dec 26, 2013	Jan 24, 2014	0.441708
Jan 27, 2014	Feb 24, 2014	0.437745
Feb 25, 2014	Mar 24, 2014	0.434419
Mar 25, 2014	Apr 24, 2014	0.432824
Apr 25, 2014	May 23, 2014	0.427932
May 27, 2014	Jun 24, 2014	0.421709
Jun 25, 2014	Jul 24, 2014	0.414522
Jul 25, 2014	Aug 22, 2014	0.409786
Aug 25, 2014	Sep 24, 2014	0.406655
Sep 25, 2014	Oct 24, 2014	0.397313
Oct 27, 2014	Nov 24, 2014	0.395248
Nov 25, 2014	Dec 24, 2014	0.388185
Dec 26, 2014	Jan 23, 2015	0.382682
Jan 26, 2015	Feb 24, 2015	0.379013
Feb 25, 2015	Mar 24, 2015	0.375280
Mar 25, 2015	Apr 24, 2015	0.373272
Apr 27, 2015	May 22, 2015	0.367999
May 26, 2015	Jun 24, 2015	0.362122
Jun 25, 2015		0.360502

1A88 Certificate Factor Chart

From	То	<u>Factor</u>
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	0.931829
Nov 25, 2008	Dec 24, 2008	0.924350
Dec 26, 2008	Jan 23, 2009	0.920896
Jan 26, 2009	Feb 24, 2009	0.915573
Feb 25, 2009	Mar 24, 2009	0.907730
Mar 25, 2009	Apr 24, 2009	0.895062
Apr 27, 2009	May 22, 2009	0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010	Jan 24, 2011	0.667296
Jan 25, 2011	Feb 24, 2011	0.652213
Feb 25, 2011	Mar 24, 2011	0.641475
Mar 25, 2011	Apr 22, 2011	0.632922
Apr 25, 2011	May 24, 2011	0.621867
May 25, 2011	Jun 24, 2011	0.615857
Jun 27, 2011	Jul 22, 2011	0.607926
Jul 25, 2011	Aug 24, 2011	0.599864
Aug 25, 2011	Sep 23, 2011	0.592317

1A88 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.549296
Feb 27, 2012	Mar 23, 2012	0.540364
Mar 26, 2012	Apr 24, 2012	0.536022
Apr 25, 2012	May 24, 2012	0.526597
May 25, 2012	Jun 22, 2012	0.514369
Jun 25, 2012	Jul 24, 2012	0.507407
Jul 25, 2012	Aug 24, 2012	0.497565
Aug 27, 2012	Sep 24, 2012	0.488274
Sep 25, 2012	Oct 24, 2012	0.479043
Oct 25, 2012	Nov 23, 2012	0.466627
Nov 26, 2012	Dec 24, 2012	0.460482
Dec 26, 2012	Jan 24, 2013	0.453475
Jan 25, 2013	Feb 22, 2013	0.444301
Feb 25, 2013	Mar 22, 2013	0.434778
Mar 25, 2013	Apr 24, 2013	0.428632
Apr 25, 2013	May 24, 2013	0.420985
May 28, 2013	Jun 24, 2013	0.409327
Jun 25, 2013	Jul 24, 2013	0.401823
Jul 25, 2013	Aug 23, 2013	0.390487
Aug 26, 2013	Sep 24, 2013	0.377594
Sep 25, 2013	Oct 24, 2013	0.368247
Oct 25, 2013	Nov 22, 2013	0.362517
Nov 25, 2013	Dec 24, 2013	0.356441
Dec 26, 2013	Jan 24, 2014	0.349745
Jan 27, 2014	Feb 24, 2014	0.344359
Feb 25, 2014	Mar 24, 2014	0.338812
Mar 25, 2014	Apr 24, 2014	0.334955
Apr 25, 2014	May 23, 2014	0.328154
May 27, 2014	Jun 24, 2014	0.321147
Jun 25, 2014	Jul 24, 2014	0.315708
Jul 25, 2014	Aug 22, 2014	0.309597
Aug 25, 2014	Sep 24, 2014	0.305065
Sep 25, 2014	Oct 24, 2014	0.298997
Oct 27, 2014	Nov 24, 2014	0.296361
Nov 25, 2014	Dec 24, 2014	0.289850
Dec 26, 2014	Jan 23, 2015	0.284476
Jan 26, 2015	Feb 24, 2015	0.279120
Feb 25, 2015	Mar 24, 2015	0.273984
Mar 25, 2015	Apr 24, 2015	0.272110
Apr 27, 2015	May 22, 2015	0.267648
May 26, 2015	Jun 24, 2015	0.262477
Jun 25, 2015		0.259706

1A89 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.689750
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.682508
Apr 25, 2011	May 24, 2011	0.674716
May 25, 2011	Jun 24, 2011	0.667134
Jun 27, 2011	Jul 22, 2011	0.662305
Jul 25, 2011	Aug 24, 2011	0.655648
Aug 25, 2011	Sep 23, 2011	0.645537
	30p 23, 2011	0.638723

1A89 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.561608
Sep 25, 2012	Oct 24, 2012	0.545817
Oct 25, 2012	Nov 23, 2012	0.537243
Nov 26, 2012	Dec 24, 2012	0.530072
Dec 26, 2012	Jan 24, 2013	0.523430
Jan 25, 2013	Feb 22, 2013	0.517850
Feb 25, 2013	Mar 22, 2013	0.509584
Mar 25, 2013	Apr 24, 2013	0.503516
Apr 25, 2013	May 24, 2013	0.494859
May 28, 2013	Jun 24, 2013	0.486996
Jun 25, 2013	Jul 24, 2013	0.481235
Jul 25, 2013	Aug 23, 2013	0.473260
Aug 26, 2013	Sep 24, 2013	0.464594
Sep 25, 2013	Oct 24, 2013	0.460416
Oct 25, 2013	Nov 22, 2013	0.453764
Nov 25, 2013	Dec 24, 2013	0.446512
Dec 26, 2013	Jan 24, 2014	0.441708
Jan 27, 2014	Feb 24, 2014	0.437745
Feb 25, 2014	Mar 24, 2014	0.434419
Mar 25, 2014	Apr 24, 2014	0.432824
Apr 25, 2014	May 23, 2014	0.427932
May 27, 2014	Jun 24, 2014	0.421709
Jun 25, 2014	Jul 24, 2014	0.414522
Jul 25, 2014	Aug 22, 2014	0.409786
Aug 25, 2014	Sep 24, 2014	0.406655
Sep 25, 2014	Oct 24, 2014	0.397313
Oct 27, 2014	Nov 24, 2014	0.395248
Nov 25, 2014	Dec 24, 2014	0.388185
Dec 26, 2014	Jan 23, 2015	0.382682
Jan 26, 2015	Feb 24, 2015	0.379013
Feb 25, 2015	Mar 24, 2015	0.375280
Mar 25, 2015	Apr 24, 2015	0.373272
Apr 27, 2015 May 26, 2015	May 22, 2015	0.367999
Jun 25, 2015	Jun 24, 2015	0.362122
Juli 23, 2013		0.360502

1A90 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.689750
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.682508
Apr 25, 2011	May 24, 2011	0.674716
May 25, 2011	Jun 24, 2011	0.667134
Jun 27, 2011	Jul 22, 2011	0.662305
Jul 25, 2011	Aug 24, 2011	0.655648
Aug 25, 2011	Sep 23, 2011	0.645537
	30p 23, 2011	0.638723

1A90 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.561608
Sep 25, 2012	Oct 24, 2012	0.545817
Oct 25, 2012	Nov 23, 2012	0.537243
Nov 26, 2012	Dec 24, 2012	0.530072
Dec 26, 2012	Jan 24, 2013	0.523430
Jan 25, 2013	Feb 22, 2013	0.517850
Feb 25, 2013	Mar 22, 2013	0.509584
Mar 25, 2013	Apr 24, 2013	0.503516
Apr 25, 2013	May 24, 2013	0.494859
May 28, 2013	Jun 24, 2013	0.486996
Jun 25, 2013	Jul 24, 2013	0.481235
Jul 25, 2013	Aug 23, 2013	0.473260
Aug 26, 2013	Sep 24, 2013	0.464594
Sep 25, 2013	Oct 24, 2013	0.460416
Oct 25, 2013	Nov 22, 2013	0.453764
Nov 25, 2013	Dec 24, 2013	0.446512
Dec 26, 2013	Jan 24, 2014	0.441708
Jan 27, 2014	Feb 24, 2014	0.437745
Feb 25, 2014	Mar 24, 2014	0.434419
Mar 25, 2014	Apr 24, 2014	0.432824
Apr 25, 2014	May 23, 2014	0.427932
May 27, 2014	Jun 24, 2014	0.421709
Jun 25, 2014	Jul 24, 2014	0.414522
Jul 25, 2014	Aug 22, 2014	0.409786
Aug 25, 2014	Sep 24, 2014	0.406655
Sep 25, 2014	Oct 24, 2014	0.397313
Oct 27, 2014	Nov 24, 2014	0.395248
Nov 25, 2014	Dec 24, 2014	0.388185
Dec 26, 2014	Jan 23, 2015	0.382682
Jan 26, 2015	Feb 24, 2015	0.379013
Feb 25, 2015	Mar 24, 2015	0.375280
Mar 25, 2015	Apr 24, 2015	0.373272
Apr 27, 2015	May 22, 2015	0.367999
May 26, 2015	Jun 24, 2015	0.362122
Jun 25, 2015		0.360502

1A91 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.689750
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.682508
Apr 25, 2011	May 24, 2011	0.674716
May 25, 2011	Jun 24, 2011	0.667134
Jun 27, 2011	Jul 22, 2011	0.662305
Jul 25, 2011	Aug 24, 2011	0.655648
Aug 25, 2011	Sep 23, 2011	0.645537
	30p 23, 2011	0.638723

1A91 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.563939
Feb 27, 2012	Mar 23, 2012	0.433101
Mar 26, 2012	Apr 24, 2012	0.348369
Apr 25, 2012	May 24, 2012	0.292633
May 25, 2012	Jun 22, 2012	0.136792
Jun 25, 2012	Jul 24, 2012	0.084602
Jul 25, 2012	Aug 24, 2012	0.023799
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A92 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.689750
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.682508
Apr 25, 2011	May 24, 2011	0.674716
May 25, 2011	Jun 24, 2011	0.667134
Jun 27, 2011	Jul 22, 2011	0.662305
Jul 25, 2011	Aug 24, 2011	0.655648
Aug 25, 2011	Sep 23, 2011	0.645537
	30p 23, 2011	0.638723

1A92 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.610078
Feb 27, 2012	Mar 23, 2012	0.597638
Mar 26, 2012	Apr 24, 2012	0.592427
Apr 25, 2012	May 24, 2012	0.583149
May 25, 2012	Jun 22, 2012	0.565339
Jun 25, 2012	Jul 24, 2012	0.559484
Jul 25, 2012	Aug 24, 2012	0.547407
Aug 27, 2012	Sep 24, 2012	0.538546
Sep 25, 2012	Oct 24, 2012	0.523404
Oct 25, 2012	Nov 23, 2012	0.515182
Nov 26, 2012	Dec 24, 2012	0.508305
Dec 26, 2012	Jan 24, 2013	0.501936
Jan 25, 2013	Feb 22, 2013	0.496585
Feb 25, 2013	Mar 22, 2013	0.488658
Mar 25, 2013	Apr 24, 2013	0.482839
Apr 25, 2013	May 24, 2013	0.474538
May 28, 2013	Jun 24, 2013	0.466998
Jun 25, 2013	Jul 24, 2013	0.461474
Jul 25, 2013	Aug 23, 2013	0.453826
Aug 26, 2013	Sep 24, 2013	0.445516
Sep 25, 2013	Oct 24, 2013	0.441510
Oct 25, 2013	Nov 22, 2013	0.435131
Nov 25, 2013	Dec 24, 2013	0.428176
Dec 26, 2013	Jan 24, 2014	0.423570
Jan 27, 2014	Feb 24, 2014	0.419770
Feb 25, 2014	Mar 24, 2014	0.416580
Mar 25, 2014	Apr 24, 2014	0.415051
Apr 25, 2014	May 23, 2014	0.410360
May 27, 2014	Jun 24, 2014	0.404392
Jun 25, 2014	Jul 24, 2014	0.397500
Jul 25, 2014	Aug 22, 2014	0.392959
Aug 25, 2014	Sep 24, 2014	0.389956
Sep 25, 2014	Oct 24, 2014	0.380998
Oct 27, 2014	Nov 24, 2014	0.379018
Nov 25, 2014	Dec 24, 2014	0.372244
Dec 26, 2014	Jan 23, 2015	0.366968
Jan 26, 2015	Feb 24, 2015	0.363449
Feb 25, 2015	Mar 24, 2015	0.359870
Mar 25, 2015	Apr 24, 2015	0.357944
Apr 27, 2015 May 26, 2015	May 22, 2015	0.352887
Jun 25, 2015	Jun 24, 2015	0.347251
Juli 23, 2013		0.345698

1A93 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	0.931829
Nov 25, 2008	Dec 24, 2008	0.924350
Dec 26, 2008	Jan 23, 2009	0.920896
Jan 26, 2009	Feb 24, 2009	0.915573
Feb 25, 2009	Mar 24, 2009	0.907730
Mar 25, 2009	Apr 24, 2009	0.895062
Apr 27, 2009	May 22, 2009	0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010 Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	0.667296
Feb 25, 2011	Mar 24, 2011	0.652213
Mar 25, 2011	Apr 22, 2011	0.641475
Apr 25, 2011	May 24, 2011	0.632922
May 25, 2011	Jun 24, 2011	0.621867
Jun 27, 2011	Jul 22, 2011	0.615857
Jul 25, 2011	Aug 24, 2011	0.607926
Aug 25, 2011	Sep 23, 2011	0.599864
	1: -/	0.352517

1A93 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.482722
Mar 26, 2012	Apr 24, 2012	0.458606
Apr 25, 2012	May 24, 2012	0.425502
May 25, 2012	Jun 22, 2012	0.358469
Jun 25, 2012	Jul 24, 2012	0.313727
Jul 25, 2012	Aug 24, 2012	0.266264
Aug 27, 2012	Sep 24, 2012	0.219090
Sep 25, 2012	Oct 24, 2012	0.180968
Oct 25, 2012	Nov 23, 2012	0.128806
Nov 26, 2012	Dec 24, 2012	0.104747
Dec 26, 2012	Jan 24, 2013	0.040679
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A94 Certificate Factor Chart

From	То	<u>Factor</u>
<u>FIOIII</u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	
Nov 25, 2008	Dec 24, 2008	0.931829
Dec 26, 2008	Jan 23, 2009	0.924350 0.920896
Jan 26, 2009	Feb 24, 2009	0.920890
Feb 25, 2009	Mar 24, 2009	0.913373
Mar 25, 2009	Apr 24, 2009	
Apr 27, 2009	May 22, 2009	0.895062 0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010	Jan 24, 2011	0.667296
Jan 25, 2011	Feb 24, 2011	0.652213
Feb 25, 2011	Mar 24, 2011	0.641475
Mar 25, 2011	Apr 22, 2011	0.632922
Apr 25, 2011	May 24, 2011	0.621867
May 25, 2011	Jun 24, 2011	0.615857
Jun 27, 2011	Jul 22, 2011	0.607926
Jul 25, 2011	Aug 24, 2011	0.599864
Aug 25, 2011	Sep 23, 2011	0.592317

1A94 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.482687
Mar 26, 2012	Apr 24, 2012	0.458559
Apr 25, 2012	May 24, 2012	0.425442
May 25, 2012	Jun 22, 2012	0.358376
Jun 25, 2012	Jul 24, 2012	0.313611
Jul 25, 2012	Aug 24, 2012	0.266126
Aug 27, 2012	Sep 24, 2012	0.218930
Sep 25, 2012	Oct 24, 2012	0.180790
Oct 25, 2012	Nov 23, 2012	0.128605
Nov 26, 2012	Dec 24, 2012	0.104535
Dec 26, 2012	Jan 24, 2013	0.040433
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A95 Certificate Factor Chart

From	То	Factor
<u></u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	0.942944
Sep 25, 2008	Oct 24, 2008	0.938432
Oct 27, 2008	Nov 24, 2008	0.933673
Nov 25, 2008	Dec 24, 2008	0.931829
Dec 26, 2008	Jan 23, 2009	0.924350
Jan 26, 2009	Feb 24, 2009	0.920896
Feb 25, 2009	Mar 24, 2009	0.915573
Mar 25, 2009	Apr 24, 2009	0.907730
Apr 27, 2009	May 22, 2009	0.895062
May 26, 2009	Jun 24, 2009	0.885229
Jun 25, 2009	Jul 24, 2009	0.870030
Jul 27, 2009	Aug 24, 2009	0.856100
Aug 25, 2009	Sep 24, 2009	0.843630
Sep 25, 2009	Oct 23, 2009	0.829515
Oct 26, 2009	Nov 24, 2009	0.822961
Nov 25, 2009	Dec 24, 2009	0.813760 0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010	Jan 24, 2011	0.667296
Jan 25, 2011	Feb 24, 2011	0.652213
Feb 25, 2011	Mar 24, 2011	0.641475
Mar 25, 2011	Apr 22, 2011	0.632922
Apr 25, 2011	May 24, 2011	0.621867
May 25, 2011	Jun 24, 2011	0.615857
Jun 27, 2011	Jul 22, 2011	0.607926
Jul 25, 2011	Aug 24, 2011	0.599864
Aug 25, 2011	Sep 23, 2011	0.592317

1A95 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.520772
Feb 27, 2012	Mar 23, 2012	0.453498
Mar 26, 2012	Apr 24, 2012	0.429608
Apr 25, 2012	May 24, 2012	0.397041
May 25, 2012	Jun 22, 2012	0.330678
Jun 25, 2012	Jul 24, 2012	0.286336
Jul 25, 2012	Aug 24, 2012	0.239389
Aug 27, 2012	Sep 24, 2012	0.192849
Sep 25, 2012	Oct 24, 2012	0.155219
Oct 25, 2012	Nov 23, 2012	0.103770
Nov 26, 2012	Dec 24, 2012	0.080069
Dec 26, 2012	Jan 24, 2013	0.016546
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A96 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	0.931829
Nov 25, 2008	Dec 24, 2008	0.924350
Dec 26, 2008	Jan 23, 2009	0.920896
Jan 26, 2009	Feb 24, 2009	0.915573
Feb 25, 2009	Mar 24, 2009	0.907730
Mar 25, 2009	Apr 24, 2009	0.895062
Apr 27, 2009	May 22, 2009	0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010 Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	0.667296
Feb 25, 2011	Mar 24, 2011	0.652213
Mar 25, 2011	Apr 22, 2011	0.641475
Apr 25, 2011	May 24, 2011	0.632922
May 25, 2011	Jun 24, 2011	0.621867
Jun 27, 2011	Jul 22, 2011	0.615857
Jul 25, 2011	Aug 24, 2011	0.607926
Aug 25, 2011	Sep 23, 2011	0.599864
	1: -/	0.352517

1A96 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.543889
Mar 26, 2012	Apr 24, 2012	0.540340
Apr 25, 2012	May 24, 2012	0.531855
May 25, 2012	Jun 22, 2012	0.521824
Jun 25, 2012	Jul 24, 2012	0.516379
Jul 25, 2012	Aug 24, 2012	0.508042
Aug 27, 2012	Sep 24, 2012	0.500263
Sep 25, 2012	Oct 24, 2012	0.492185
Oct 25, 2012	Nov 23, 2012	0.481353
Nov 26, 2012	Dec 24, 2012	0.475920
Dec 26, 2012	Jan 24, 2013	0.471207
Jan 25, 2013	Feb 22, 2013	0.463282
Feb 25, 2013	Mar 22, 2013	0.453106
Mar 25, 2013	Apr 24, 2013	0.446694
Apr 25, 2013	May 24, 2013	0.438711
May 28, 2013	Jun 24, 2013	0.426561
Jun 25, 2013	Jul 24, 2013	0.418741
Jul 25, 2013	Aug 23, 2013	0.406916
Aug 26, 2013	Sep 24, 2013	0.393479
Sep 25, 2013	Oct 24, 2013	0.383739
Oct 25, 2013	Nov 22, 2013	0.377767
Nov 25, 2013	Dec 24, 2013	0.371425
Dec 26, 2013	Jan 24, 2014	0.364448
Jan 27, 2014	Feb 24, 2014	0.358835
Feb 25, 2014	Mar 24, 2014	0.353051
Mar 25, 2014	Apr 24, 2014	0.349032
Apr 25, 2014	May 23, 2014	0.341944
May 27, 2014	Jun 24, 2014	0.334642
Jun 25, 2014	Jul 24, 2014	0.328975
Jul 25, 2014	Aug 22, 2014	0.322605
Aug 25, 2014	Sep 24, 2014	0.317882
Sep 25, 2014	Oct 24, 2014	0.311558
Oct 27, 2014	Nov 24, 2014	0.308811
Nov 25, 2014	Dec 24, 2014	0.302026
Dec 26, 2014	Jan 23, 2015	0.296426
Jan 26, 2015	Feb 24, 2015	0.290846
Feb 25, 2015	Mar 24, 2015	0.285494
Mar 25, 2015	Apr 24, 2015	0.283542
Apr 27, 2015	May 22, 2015	0.278891
May 26, 2015	Jun 24, 2015	0.273502
Jun 25, 2015		0.270614

1A97 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	0.931829
Nov 25, 2008	Dec 24, 2008	0.924350
Dec 26, 2008	Jan 23, 2009	0.920896
Jan 26, 2009	Feb 24, 2009	0.915573
Feb 25, 2009	Mar 24, 2009	0.907730
Mar 25, 2009	Apr 24, 2009	0.895062
Apr 27, 2009	May 22, 2009	0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010 Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	0.667296
Feb 25, 2011	Mar 24, 2011	0.652213
Mar 25, 2011	Apr 22, 2011	0.641475
Apr 25, 2011	May 24, 2011	0.632922
May 25, 2011	Jun 24, 2011	0.621867
Jun 27, 2011	Jul 22, 2011	0.615857
Jul 25, 2011	Aug 24, 2011	0.607926
Aug 25, 2011	Sep 23, 2011	0.599864
	1: -/	0.352517

1A97 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.543889
Mar 26, 2012	Apr 24, 2012	0.540340
Apr 25, 2012	May 24, 2012	0.531855
May 25, 2012	Jun 22, 2012	0.521824
Jun 25, 2012	Jul 24, 2012	0.516379
Jul 25, 2012	Aug 24, 2012	0.508042
Aug 27, 2012	Sep 24, 2012	0.500263
Sep 25, 2012	Oct 24, 2012	0.492185
Oct 25, 2012	Nov 23, 2012	0.481353
Nov 26, 2012	Dec 24, 2012	0.475920
Dec 26, 2012	Jan 24, 2013	0.471207
Jan 25, 2013	Feb 22, 2013	0.462332
Feb 25, 2013	Mar 22, 2013	0.452422
Mar 25, 2013	Apr 24, 2013	0.446027
Apr 25, 2013	May 24, 2013	0.438070
May 28, 2013	Jun 24, 2013	0.425939
Jun 25, 2013	Jul 24, 2013	0.418130
Jul 25, 2013	Aug 23, 2013	0.406334
Aug 26, 2013	Sep 24, 2013	0.392918
Sep 25, 2013	Oct 24, 2013	0.383191
Oct 25, 2013	Nov 22, 2013	0.377229
Nov 25, 2013	Dec 24, 2013	0.370906
Dec 26, 2013	Jan 24, 2014	0.363938
Jan 27, 2014	Feb 24, 2014	0.358334
Feb 25, 2014	Mar 24, 2014	0.352562
Mar 25, 2014	Apr 24, 2014	0.348548
Apr 25, 2014	May 23, 2014	0.341471
May 27, 2014	Jun 24, 2014	0.334180
Jun 25, 2014	Jul 24, 2014	0.328521
Jul 25, 2014	Aug 22, 2014	0.322162
Aug 25, 2014	Sep 24, 2014	0.317445
Sep 25, 2014	Oct 24, 2014	0.311131
Oct 27, 2014	Nov 24, 2014	0.308388
Nov 25, 2014	Dec 24, 2014	0.301613
Dec 26, 2014	Jan 23, 2015	0.296020
Jan 26, 2015	Feb 24, 2015	0.290447
Feb 25, 2015	Mar 24, 2015	0.285103
Mar 25, 2015	Apr 24, 2015	0.283153
Apr 27, 2015	May 22, 2015	0.278510
May 26, 2015	Jun 24, 2015	0.273129
Jun 25, 2015		0.270246

1A98 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	0.931829
Nov 25, 2008	Dec 24, 2008	0.924350
Dec 26, 2008	Jan 23, 2009	0.920896
Jan 26, 2009	Feb 24, 2009	0.915573
Feb 25, 2009	Mar 24, 2009	0.907730
Mar 25, 2009	Apr 24, 2009	0.895062
Apr 27, 2009	May 22, 2009	0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010 Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	0.667296
Feb 25, 2011	Mar 24, 2011	0.652213
Mar 25, 2011	Apr 22, 2011	0.641475
Apr 25, 2011	May 24, 2011	0.632922
May 25, 2011	Jun 24, 2011	0.621867
Jun 27, 2011	Jul 22, 2011	0.615857
Jul 25, 2011	Aug 24, 2011	0.607926
Aug 25, 2011	Sep 23, 2011	0.599864
	1: -/	0.352517

1A98 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.541503
Mar 26, 2012	Apr 24, 2012	0.537151
Apr 25, 2012	May 24, 2012	0.527705
May 25, 2012	Jun 22, 2012	0.515450
Jun 25, 2012	Jul 24, 2012	0.508472
Jul 25, 2012	Aug 24, 2012	0.498609
Aug 27, 2012	Sep 24, 2012	0.489293
Sep 25, 2012	Oct 24, 2012	0.480043
Oct 25, 2012	Nov 23, 2012	0.467598
Nov 26, 2012	Dec 24, 2012	0.461439
Dec 26, 2012	Jan 24, 2013	0.454410
Jan 25, 2013	Feb 22, 2013	0.445217
Feb 25, 2013	Mar 22, 2013	0.435435
Mar 25, 2013	Apr 24, 2013	0.429273
Apr 25, 2013	May 24, 2013	0.421602
May 28, 2013	Jun 24, 2013	0.409925
Jun 25, 2013	Jul 24, 2013	0.402410
Jul 25, 2013	Aug 23, 2013	0.391046
Aug 26, 2013	Sep 24, 2013	0.378134
Sep 25, 2013	Oct 24, 2013	0.368773
Oct 25, 2013	Nov 22, 2013	0.363034
Nov 25, 2013	Dec 24, 2013	0.356939
Dec 26, 2013	Jan 24, 2014	0.350234
Jan 27, 2014	Feb 24, 2014	0.344840
Feb 25, 2014	Mar 24, 2014	0.339282
Mar 25, 2014	Apr 24, 2014	0.335419
Apr 25, 2014	May 23, 2014	0.328608
May 27, 2014	Jun 24, 2014	0.321590
Jun 25, 2014	Jul 24, 2014	0.316145
Jul 25, 2014	Aug 22, 2014	0.310023
Aug 25, 2014	Sep 24, 2014	0.305484
Sep 25, 2014	Oct 24, 2014	0.299407
Oct 27, 2014	Nov 24, 2014	0.296767
Nov 25, 2014	Dec 24, 2014	0.290247
Dec 26, 2014	Jan 23, 2015	0.284866
Jan 26, 2015	Feb 24, 2015	0.279503
Feb 25, 2015	Mar 24, 2015	0.274360
Mar 25, 2015	Apr 24, 2015	0.272483
Apr 27, 2015	May 22, 2015	0.268014
May 26, 2015	Jun 24, 2015	0.262835
Jun 25, 2015		0.260059

1A99 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.993496
Sep 25, 2007	Oct 24, 2007	0.980098
Oct 25, 2007	Nov 23, 2007	0.972100
Nov 26, 2007	Dec 24, 2007	0.967518
Dec 26, 2007	Jan 24, 2008	0.958037
Jan 25, 2008	Feb 22, 2008	0.946424
Feb 25, 2008	Mar 24, 2008	0.933759
Mar 25, 2008	Apr 24, 2008	0.922492
Apr 25, 2008	May 23, 2008	0.916451
May 27, 2008	Jun 24, 2008	0.909349
Jun 25, 2008	Jul 24, 2008	0.903290
Jul 25, 2008	Aug 22, 2008	0.893732
Aug 25, 2008	Sep 24, 2008	0.891858
Sep 25, 2008	Oct 24, 2008	0.889359
Oct 27, 2008	Nov 24, 2008	0.889348
Nov 25, 2008	Dec 24, 2008	0.879968
Dec 26, 2008	Jan 23, 2009	0.879957
Jan 26, 2009	Feb 24, 2009	0.876029
Feb 25, 2009	Mar 24, 2009	0.865727
Mar 25, 2009	Apr 24, 2009	0.843218
Apr 27, 2009	May 22, 2009	0.827879
May 26, 2009	Jun 24, 2009	0.798966
Jun 25, 2009	Jul 24, 2009	0.773263
Jul 27, 2009	Aug 24, 2009	0.751256
Aug 25, 2009	Sep 24, 2009	0.725085
Sep 25, 2009	Oct 23, 2009	0.718042
Oct 26, 2009	Nov 24, 2009	0.704304
Nov 25, 2009	Dec 24, 2009	0.695289
Dec 28, 2009	Jan 22, 2010	0.682262
Jan 25, 2010	Feb 24, 2010	0.665201
Feb 25, 2010	Mar 24, 2010	0.641690
Mar 25, 2010	Apr 23, 2010	0.635793
Apr 26, 2010	May 24, 2010	0.622648
May 25, 2010	Jun 24, 2010	0.613277
Jun 25, 2010	Jul 23, 2010	0.606080
Jul 26, 2010	Aug 24, 2010	0.588608
Aug 25, 2010	Sep 24, 2010	0.565121
Sep 27, 2010	Oct 22, 2010	0.545516
Oct 25, 2010	Nov 24, 2010	0.519757
Nov 26, 2010	Dec 23, 2010	0.493086
Dec 27, 2010 Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	0.467304
Feb 25, 2011	Mar 24, 2011	0.438681
Mar 25, 2011	Apr 22, 2011	0.421055
Apr 25, 2011	May 24, 2011	0.408954
May 25, 2011	Jun 24, 2011	0.390525
Jun 27, 2011	Jul 22, 2011	0.384857
Jul 25, 2011	Aug 24, 2011	0.363473
Aug 25, 2011	Sep 23, 2011	0.357490
		0.557450

1A99 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.343969
Oct 25, 2011	Nov 23, 2011	0.337063
Nov 25, 2011	Dec 23, 2011	0.334386
Dec 27, 2011	Jan 24, 2012	0.330888
Jan 25, 2012	Feb 24, 2012	0.324626
Feb 27, 2012	Mar 23, 2012	0.320755
Mar 26, 2012	Apr 24, 2012	0.318662
Apr 25, 2012	May 24, 2012	0.313658
May 25, 2012	Jun 22, 2012	0.307742
Jun 25, 2012	Jul 24, 2012	0.304531
Jul 25, 2012	Aug 24, 2012	0.299614
Aug 27, 2012	Sep 24, 2012	0.295027
Sep 25, 2012	Oct 24, 2012	0.290263
Oct 25, 2012	Nov 23, 2012	0.283874
Nov 26, 2012	Dec 24, 2012	0.280671
Dec 26, 2012	Jan 24, 2013	0.277891
Jan 25, 2013	Feb 22, 2013	0.273217
Feb 25, 2013	Mar 22, 2013	0.267216
Mar 25, 2013	Apr 24, 2013	0.263435
Apr 25, 2013	May 24, 2013	0.258727
May 28, 2013	Jun 24, 2013	0.251561
Jun 25, 2013	Jul 24, 2013	0.246949
Jul 25, 2013	Aug 23, 2013	0.239976
Aug 26, 2013	Sep 24, 2013	0.232052
Sep 25, 2013	Oct 24, 2013	0.226307
Oct 25, 2013	Nov 22, 2013	0.222786
Nov 25, 2013	Dec 24, 2013	0.219045
Dec 26, 2013	Jan 24, 2014	0.214930
Jan 27, 2014	Feb 24, 2014	0.211620
Feb 25, 2014	Mar 24, 2014	0.208209
Mar 25, 2014	Apr 24, 2014	0.205839
Apr 25, 2014	May 23, 2014	0.201659
May 27, 2014	Jun 24, 2014	0.197353
Jun 25, 2014	Jul 24, 2014	0.194011
Jul 25, 2014	Aug 22, 2014	0.190254
Aug 25, 2014	Sep 24, 2014	0.187468
Sep 25, 2014	Oct 24, 2014	0.183739
Oct 27, 2014	Nov 24, 2014	0.182119
Nov 25, 2014	Dec 24, 2014	0.178118
Dec 26, 2014	Jan 23, 2015	0.174815
Jan 26, 2015	Feb 24, 2015	0.171524
Feb 25, 2015	Mar 24, 2015	0.168368
Mar 25, 2015	Apr 24, 2015	0.167217
Apr 27, 2015	May 22, 2015	0.164474
May 26, 2015	Jun 24, 2015	0.161296
Jun 25, 2015		0.159592

A100 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.993496
Sep 25, 2007	Oct 24, 2007	0.980098
Oct 25, 2007	Nov 23, 2007	0.972100
Nov 26, 2007	Dec 24, 2007	0.967518
Dec 26, 2007	Jan 24, 2008	0.958037
Jan 25, 2008	Feb 22, 2008	0.946424
Feb 25, 2008	Mar 24, 2008	0.933759
Mar 25, 2008	Apr 24, 2008	0.922492
Apr 25, 2008	May 23, 2008	0.916451
May 27, 2008	Jun 24, 2008	0.909349
Jun 25, 2008	Jul 24, 2008	0.903290
Jul 25, 2008	Aug 22, 2008	0.893732
Aug 25, 2008	Sep 24, 2008	0.891858
Sep 25, 2008	Oct 24, 2008	0.889359
Oct 27, 2008	Nov 24, 2008	0.889348
Nov 25, 2008	Dec 24, 2008	0.879968
Dec 26, 2008	Jan 23, 2009	0.879957
Jan 26, 2009	Feb 24, 2009	0.876029
Feb 25, 2009	Mar 24, 2009	0.865727
Mar 25, 2009	Apr 24, 2009	0.843218
Apr 27, 2009	May 22, 2009	0.827879
May 26, 2009	Jun 24, 2009	0.798966
Jun 25, 2009	Jul 24, 2009	0.773263
Jul 27, 2009	Aug 24, 2009	0.751256
Aug 25, 2009	Sep 24, 2009	0.725085
Sep 25, 2009	Oct 23, 2009	0.718042
Oct 26, 2009	Nov 24, 2009	0.704304
Nov 25, 2009	Dec 24, 2009	0.695289
Dec 28, 2009	Jan 22, 2010	0.682262
Jan 25, 2010	Feb 24, 2010	0.665201
Feb 25, 2010	Mar 24, 2010	0.641690
Mar 25, 2010	Apr 23, 2010	0.635793
Apr 26, 2010	May 24, 2010	0.622648
May 25, 2010	Jun 24, 2010	0.613277
Jun 25, 2010	Jul 23, 2010	0.606080
Jul 26, 2010	Aug 24, 2010	0.588608
Aug 25, 2010	Sep 24, 2010	0.565121
Sep 27, 2010	Oct 22, 2010	0.545516
Oct 25, 2010	Nov 24, 2010	0.519757
Nov 26, 2010	Dec 23, 2010	0.493086
Dec 27, 2010	Jan 24, 2011	0.467304
Jan 25, 2011	Feb 24, 2011	0.438681
Feb 25, 2011	Mar 24, 2011	0.421055
Mar 25, 2011	Apr 22, 2011	0.408954
Apr 25, 2011	May 24, 2011	0.390525
May 25, 2011	Jun 24, 2011	0.384857
Jun 27, 2011	Jul 22, 2011	0.374332
Jul 25, 2011	Aug 24, 2011 Sep 23, 2011	0.363473
Aug 25, 2011	3ep 23, 2011	0.357490

A100 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.343969
Oct 25, 2011	Nov 23, 2011	0.337063
Nov 25, 2011	Dec 23, 2011	0.334386
Dec 27, 2011	Jan 24, 2012	0.330888
Jan 25, 2012	Feb 24, 2012	0.324626
Feb 27, 2012	Mar 23, 2012	0.320755
Mar 26, 2012	Apr 24, 2012	0.318662
Apr 25, 2012	May 24, 2012	0.313658
May 25, 2012	Jun 22, 2012	0.307742
Jun 25, 2012	Jul 24, 2012	0.304531
Jul 25, 2012	Aug 24, 2012	0.299614
Aug 27, 2012	Sep 24, 2012	0.295027
Sep 25, 2012	Oct 24, 2012	0.290263
Oct 25, 2012	Nov 23, 2012	0.283874
Nov 26, 2012	Dec 24, 2012	0.280671
Dec 26, 2012	Jan 24, 2013	0.277891
Jan 25, 2013	Feb 22, 2013	0.273217
Feb 25, 2013	Mar 22, 2013	0.267216
Mar 25, 2013	Apr 24, 2013	0.263435
Apr 25, 2013	May 24, 2013	0.258727
May 28, 2013	Jun 24, 2013	0.251561
Jun 25, 2013	Jul 24, 2013	0.246949
Jul 25, 2013	Aug 23, 2013	0.239976
Aug 26, 2013	Sep 24, 2013	0.232052
Sep 25, 2013	Oct 24, 2013	0.226307
Oct 25, 2013	Nov 22, 2013	0.222786
Nov 25, 2013	Dec 24, 2013	0.219045
Dec 26, 2013	Jan 24, 2014	0.214930
Jan 27, 2014	Feb 24, 2014	0.211620
Feb 25, 2014	Mar 24, 2014	0.208209
Mar 25, 2014	Apr 24, 2014	0.205839
Apr 25, 2014	May 23, 2014	0.201659
May 27, 2014	Jun 24, 2014	0.197353
Jun 25, 2014	Jul 24, 2014	0.194011
Jul 25, 2014	Aug 22, 2014	0.190254
Aug 25, 2014	Sep 24, 2014	0.187468
Sep 25, 2014	Oct 24, 2014	0.183739
Oct 27, 2014	Nov 24, 2014	0.182119
Nov 25, 2014	Dec 24, 2014	0.178118
Dec 26, 2014	Jan 23, 2015	0.174815
Jan 26, 2015	Feb 24, 2015	0.171524
Feb 25, 2015	Mar 24, 2015	0.168368
Mar 25, 2015	Apr 24, 2015	0.167217
Apr 27, 2015	May 22, 2015	0.164474
May 26, 2015	Jun 24, 2015	0.161296
Jun 25, 2015		0.159592

A101 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	0.931829
Nov 25, 2008	Dec 24, 2008	0.924350
Dec 26, 2008	Jan 23, 2009	0.920896
Jan 26, 2009	Feb 24, 2009	0.915573
Feb 25, 2009	Mar 24, 2009	0.907730
Mar 25, 2009	Apr 24, 2009	0.895062
Apr 27, 2009	May 22, 2009	0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010 Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	0.667296
Feb 25, 2011	Mar 24, 2011	0.652213
Mar 25, 2011	Apr 22, 2011	0.641475
Apr 25, 2011	May 24, 2011	0.632922
May 25, 2011	Jun 24, 2011	0.621867
Jun 27, 2011	Jul 22, 2011	0.615857
Jul 25, 2011	Aug 24, 2011	0.607926
Aug 25, 2011	Sep 23, 2011	0.599864
	1: -/	0.352517

A101 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.541503
Mar 26, 2012	Apr 24, 2012	0.537151
Apr 25, 2012	May 24, 2012	0.527705
May 25, 2012	Jun 22, 2012	0.515450
Jun 25, 2012	Jul 24, 2012	0.508472
Jul 25, 2012	Aug 24, 2012	0.498609
Aug 27, 2012	Sep 24, 2012	0.489293
Sep 25, 2012	Oct 24, 2012	0.480043
Oct 25, 2012	Nov 23, 2012	0.467598
Nov 26, 2012	Dec 24, 2012	0.461439
Dec 26, 2012	Jan 24, 2013	0.454410
Jan 25, 2013	Feb 22, 2013	0.445217
Feb 25, 2013	Mar 22, 2013	0.435437
Mar 25, 2013	Apr 24, 2013	0.429276
Apr 25, 2013	May 24, 2013	0.421604
May 28, 2013	Jun 24, 2013	0.409928
Jun 25, 2013	Jul 24, 2013	0.402413
Jul 25, 2013	Aug 23, 2013	0.391049
Aug 26, 2013	Sep 24, 2013	0.378136
Sep 25, 2013	Oct 24, 2013	0.368776
Oct 25, 2013	Nov 22, 2013	0.363037
Nov 25, 2013	Dec 24, 2013	0.356942
Dec 26, 2013	Jan 24, 2014	0.350236
Jan 27, 2014	Feb 24, 2014	0.344843
Feb 25, 2014	Mar 24, 2014	0.339284
Mar 25, 2014	Apr 24, 2014	0.335422
Apr 25, 2014	May 23, 2014	0.328611
May 27, 2014	Jun 24, 2014	0.321593
Jun 25, 2014	Jul 24, 2014	0.316147
Jul 25, 2014	Aug 22, 2014	0.310025
Aug 25, 2014	Sep 24, 2014	0.305486
Sep 25, 2014	Oct 24, 2014	0.299409
Oct 27, 2014	Nov 24, 2014	0.296770
Nov 25, 2014	Dec 24, 2014	0.290249
Dec 26, 2014	Jan 23, 2015	0.284868
Jan 26, 2015	Feb 24, 2015	0.279505
Feb 25, 2015	Mar 24, 2015	0.274362
Mar 25, 2015	Apr 24, 2015	0.272485
Apr 27, 2015	May 22, 2015	0.268016
May 26, 2015	Jun 24, 2015	0.262837
Jun 25, 2015		0.260061

A102 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	0.931829
Nov 25, 2008	Dec 24, 2008	0.924350
Dec 26, 2008	Jan 23, 2009	0.920896
Jan 26, 2009	Feb 24, 2009	0.915573
Feb 25, 2009	Mar 24, 2009	0.907730
Mar 25, 2009	Apr 24, 2009	0.895062
Apr 27, 2009	May 22, 2009	0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010 Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	0.667296
Feb 25, 2011	Mar 24, 2011	0.652213
Mar 25, 2011	Apr 22, 2011	0.641475
Apr 25, 2011	May 24, 2011	0.632922
May 25, 2011	Jun 24, 2011	0.621867
Jun 27, 2011	Jul 22, 2011	0.615857
Jul 25, 2011	Aug 24, 2011	0.607926
Aug 25, 2011	Sep 23, 2011	0.599864
	1: -/	0.352517

A102 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.541503
Mar 26, 2012	Apr 24, 2012	0.537151
Apr 25, 2012	May 24, 2012	0.527705
May 25, 2012	Jun 22, 2012	0.515450
Jun 25, 2012	Jul 24, 2012	0.508472
Jul 25, 2012	Aug 24, 2012	0.498609
Aug 27, 2012	Sep 24, 2012	0.489293
Sep 25, 2012	Oct 24, 2012	0.480043
Oct 25, 2012	Nov 23, 2012	0.467598
Nov 26, 2012	Dec 24, 2012	0.461439
Dec 26, 2012	Jan 24, 2013	0.454410
Jan 25, 2013	Feb 22, 2013	0.445217
Feb 25, 2013	Mar 22, 2013	0.435437
Mar 25, 2013	Apr 24, 2013	0.429276
Apr 25, 2013	May 24, 2013	0.421604
May 28, 2013	Jun 24, 2013	0.409928
Jun 25, 2013	Jul 24, 2013	0.402413
Jul 25, 2013	Aug 23, 2013	0.391049
Aug 26, 2013	Sep 24, 2013	0.378136
Sep 25, 2013	Oct 24, 2013	0.368776
Oct 25, 2013	Nov 22, 2013	0.363037
Nov 25, 2013	Dec 24, 2013	0.356942
Dec 26, 2013	Jan 24, 2014	0.350236
Jan 27, 2014	Feb 24, 2014	0.344843
Feb 25, 2014	Mar 24, 2014	0.339284
Mar 25, 2014	Apr 24, 2014	0.335422
Apr 25, 2014	May 23, 2014	0.328611
May 27, 2014	Jun 24, 2014	0.321593
Jun 25, 2014	Jul 24, 2014	0.316147
Jul 25, 2014	Aug 22, 2014	0.310025
Aug 25, 2014	Sep 24, 2014	0.305465
Sep 25, 2014	Oct 24, 2014	0.299409
Oct 27, 2014	Nov 24, 2014	0.296770
Nov 25, 2014	Dec 24, 2014	0.290249
Dec 26, 2014	Jan 23, 2015	0.284868
Jan 26, 2015	Feb 24, 2015	0.279505
Feb 25, 2015	Mar 24, 2015	0.274362
Mar 25, 2015	Apr 24, 2015	0.272485
Apr 27, 2015	May 22, 2015	0.268016
May 26, 2015	Jun 24, 2015	0.262837
Jun 25, 2015		0.260061

A103 Certificate Factor Chart

From	То	<u>Factor</u>
<u>FIOIII</u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	
Nov 25, 2008	Dec 24, 2008	0.931829
Dec 26, 2008	Jan 23, 2009	0.924350 0.920896
Jan 26, 2009	Feb 24, 2009	0.920890
Feb 25, 2009	Mar 24, 2009	0.913373
Mar 25, 2009	Apr 24, 2009	
Apr 27, 2009	May 22, 2009	0.895062 0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010	Jan 24, 2011	0.667296
Jan 25, 2011	Feb 24, 2011	0.652213
Feb 25, 2011	Mar 24, 2011	0.641475
Mar 25, 2011	Apr 22, 2011	0.632922
Apr 25, 2011	May 24, 2011	0.621867
May 25, 2011	Jun 24, 2011	0.615857
Jun 27, 2011	Jul 22, 2011	0.607926
Jul 25, 2011	Aug 24, 2011	0.599864
Aug 25, 2011	Sep 23, 2011	0.592317

A103 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.541503
Mar 26, 2012	Apr 24, 2012	0.537151
Apr 25, 2012	May 24, 2012	0.527705
May 25, 2012	Jun 22, 2012	0.515450
Jun 25, 2012	Jul 24, 2012	0.508472
Jul 25, 2012	Aug 24, 2012	0.498609
Aug 27, 2012	Sep 24, 2012	0.489293
Sep 25, 2012	Oct 24, 2012	0.480043
Oct 25, 2012	Nov 23, 2012	0.467598
Nov 26, 2012	Dec 24, 2012	0.461439
Dec 26, 2012	Jan 24, 2013	0.454410
Jan 25, 2013	Feb 22, 2013	0.445217
Feb 25, 2013	Mar 22, 2013	0.435437
Mar 25, 2013	Apr 24, 2013	0.429276
Apr 25, 2013	May 24, 2013	0.421604
May 28, 2013	Jun 24, 2013	0.409928
Jun 25, 2013	Jul 24, 2013	0.402413
Jul 25, 2013	Aug 23, 2013	0.391049
Aug 26, 2013	Sep 24, 2013	0.378136
Sep 25, 2013	Oct 24, 2013	0.368776
Oct 25, 2013	Nov 22, 2013	0.363037
Nov 25, 2013	Dec 24, 2013	0.356942
Dec 26, 2013	Jan 24, 2014	0.350236
Jan 27, 2014	Feb 24, 2014	0.344843
Feb 25, 2014	Mar 24, 2014	0.339284
Mar 25, 2014	Apr 24, 2014	0.335422
Apr 25, 2014	May 23, 2014	0.328611
May 27, 2014	Jun 24, 2014	0.321593
Jun 25, 2014	Jul 24, 2014	0.316147
Jul 25, 2014	Aug 22, 2014	0.310025
Aug 25, 2014	Sep 24, 2014	0.305465
Sep 25, 2014	Oct 24, 2014	0.299409
Oct 27, 2014	Nov 24, 2014	0.296770
Nov 25, 2014	Dec 24, 2014	0.290249
Dec 26, 2014	Jan 23, 2015	0.284868
Jan 26, 2015	Feb 24, 2015	0.279505
Feb 25, 2015	Mar 24, 2015	0.274362
Mar 25, 2015	Apr 24, 2015	0.272485
Apr 27, 2015	May 22, 2015	0.268016
May 26, 2015	Jun 24, 2015	0.262837
Jun 25, 2015		0.260061

A104 Certificate Factor Chart

From	То	<u>Factor</u>
<u>FIOIII</u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	
Nov 25, 2008	Dec 24, 2008	0.931829
Dec 26, 2008	Jan 23, 2009	0.924350 0.920896
Jan 26, 2009	Feb 24, 2009	0.920890
Feb 25, 2009	Mar 24, 2009	0.913373
Mar 25, 2009	Apr 24, 2009	
Apr 27, 2009	May 22, 2009	0.895062 0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010	Jan 24, 2011	0.667296
Jan 25, 2011	Feb 24, 2011	0.652213
Feb 25, 2011	Mar 24, 2011	0.641475
Mar 25, 2011	Apr 22, 2011	0.632922
Apr 25, 2011	May 24, 2011	0.621867
May 25, 2011	Jun 24, 2011	0.615857
Jun 27, 2011	Jul 22, 2011	0.607926
Jul 25, 2011	Aug 24, 2011	0.599864
Aug 25, 2011	Sep 23, 2011	0.592317

A104 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.541503
Mar 26, 2012	Apr 24, 2012	0.537151
Apr 25, 2012	May 24, 2012	0.527705
May 25, 2012	Jun 22, 2012	0.515450
Jun 25, 2012	Jul 24, 2012	0.508472
Jul 25, 2012	Aug 24, 2012	0.498609
Aug 27, 2012	Sep 24, 2012	0.489293
Sep 25, 2012	Oct 24, 2012	0.480043
Oct 25, 2012	Nov 23, 2012	0.467598
Nov 26, 2012	Dec 24, 2012	0.461439
Dec 26, 2012	Jan 24, 2013	0.454410
Jan 25, 2013	Feb 22, 2013	0.445217
Feb 25, 2013	Mar 22, 2013	0.435437
Mar 25, 2013	Apr 24, 2013	0.429276
Apr 25, 2013	May 24, 2013	0.421604
May 28, 2013	Jun 24, 2013	0.409928
Jun 25, 2013	Jul 24, 2013	0.402413
Jul 25, 2013	Aug 23, 2013	0.391049
Aug 26, 2013	Sep 24, 2013	0.378136
Sep 25, 2013	Oct 24, 2013	0.368776
Oct 25, 2013	Nov 22, 2013	0.363037
Nov 25, 2013	Dec 24, 2013	0.356942
Dec 26, 2013	Jan 24, 2014	0.350236
Jan 27, 2014	Feb 24, 2014	0.344843
Feb 25, 2014	Mar 24, 2014	0.339284
Mar 25, 2014	Apr 24, 2014	0.335422
Apr 25, 2014	May 23, 2014	0.328611
May 27, 2014	Jun 24, 2014	0.321593
Jun 25, 2014	Jul 24, 2014	0.316147
Jul 25, 2014	Aug 22, 2014	0.310025
Aug 25, 2014	Sep 24, 2014	0.305465
Sep 25, 2014	Oct 24, 2014	0.299409
Oct 27, 2014	Nov 24, 2014	0.296770
Nov 25, 2014	Dec 24, 2014	0.290249
Dec 26, 2014	Jan 23, 2015	0.284868
Jan 26, 2015	Feb 24, 2015	0.279505
Feb 25, 2015	Mar 24, 2015	0.274362
Mar 25, 2015	Apr 24, 2015	0.272485
Apr 27, 2015	May 22, 2015	0.268016
May 26, 2015	Jun 24, 2015	0.262837
Jun 25, 2015		0.260061

A105 Certificate Factor Chart

From	То	<u>Factor</u>
<u>FIOIII</u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	
Nov 25, 2008	Dec 24, 2008	0.931829
Dec 26, 2008	Jan 23, 2009	0.924350 0.920896
Jan 26, 2009	Feb 24, 2009	0.920890
Feb 25, 2009	Mar 24, 2009	0.913373
Mar 25, 2009	Apr 24, 2009	
Apr 27, 2009	May 22, 2009	0.895062 0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010	Jan 24, 2011	0.667296
Jan 25, 2011	Feb 24, 2011	0.652213
Feb 25, 2011	Mar 24, 2011	0.641475
Mar 25, 2011	Apr 22, 2011	0.632922
Apr 25, 2011	May 24, 2011	0.621867
May 25, 2011	Jun 24, 2011	0.615857
Jun 27, 2011	Jul 22, 2011	0.607926
Jul 25, 2011	Aug 24, 2011	0.599864
Aug 25, 2011	Sep 23, 2011	0.592317

A105 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.541503
Mar 26, 2012	Apr 24, 2012	0.537151
Apr 25, 2012	May 24, 2012	0.527705
May 25, 2012	Jun 22, 2012	0.515450
Jun 25, 2012	Jul 24, 2012	0.508472
Jul 25, 2012	Aug 24, 2012	0.498609
Aug 27, 2012	Sep 24, 2012	0.489293
Sep 25, 2012	Oct 24, 2012	0.480043
Oct 25, 2012	Nov 23, 2012	0.467598
Nov 26, 2012	Dec 24, 2012	0.461439
Dec 26, 2012	Jan 24, 2013	0.454410
Jan 25, 2013	Feb 22, 2013	0.445217
Feb 25, 2013	Mar 22, 2013	0.435437
Mar 25, 2013	Apr 24, 2013	0.429276
Apr 25, 2013	May 24, 2013	0.421604
May 28, 2013	Jun 24, 2013	0.409928
Jun 25, 2013	Jul 24, 2013	0.402413
Jul 25, 2013	Aug 23, 2013	0.391049
Aug 26, 2013	Sep 24, 2013	0.378136
Sep 25, 2013	Oct 24, 2013	0.368776
Oct 25, 2013	Nov 22, 2013	0.363037
Nov 25, 2013	Dec 24, 2013	0.356942
Dec 26, 2013	Jan 24, 2014	0.350236
Jan 27, 2014	Feb 24, 2014	0.344843
Feb 25, 2014	Mar 24, 2014	0.339284
Mar 25, 2014	Apr 24, 2014	0.335422
Apr 25, 2014	May 23, 2014	0.328611
May 27, 2014	Jun 24, 2014	0.321593
Jun 25, 2014	Jul 24, 2014	0.316147
Jul 25, 2014	Aug 22, 2014	0.310025
Aug 25, 2014	Sep 24, 2014	0.305465
Sep 25, 2014	Oct 24, 2014	0.299409
Oct 27, 2014	Nov 24, 2014	0.296770
Nov 25, 2014	Dec 24, 2014	0.290249
Dec 26, 2014	Jan 23, 2015	0.284868
Jan 26, 2015	Feb 24, 2015	0.279505
Feb 25, 2015	Mar 24, 2015	0.274362
Mar 25, 2015	Apr 24, 2015	0.272485
Apr 27, 2015	May 22, 2015	0.268016
May 26, 2015	Jun 24, 2015	0.262837
Jun 25, 2015		0.260061

A106 Certificate Factor Chart

From	То	<u>Factor</u>
<u>FIOIII</u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	
Nov 25, 2008	Dec 24, 2008	0.931829
Dec 26, 2008	Jan 23, 2009	0.924350 0.920896
Jan 26, 2009	Feb 24, 2009	0.920890
Feb 25, 2009	Mar 24, 2009	0.913373
Mar 25, 2009	Apr 24, 2009	
Apr 27, 2009	May 22, 2009	0.895062 0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010	Jan 24, 2011	0.667296
Jan 25, 2011	Feb 24, 2011	0.652213
Feb 25, 2011	Mar 24, 2011	0.641475
Mar 25, 2011	Apr 22, 2011	0.632922
Apr 25, 2011	May 24, 2011	0.621867
May 25, 2011	Jun 24, 2011	0.615857
Jun 27, 2011	Jul 22, 2011	0.607926
Jul 25, 2011	Aug 24, 2011	0.599864
Aug 25, 2011	Sep 23, 2011	0.592317

A106 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.541503
Mar 26, 2012	Apr 24, 2012	0.537151
Apr 25, 2012	May 24, 2012	0.527705
May 25, 2012	Jun 22, 2012	0.515450
Jun 25, 2012	Jul 24, 2012	0.508472
Jul 25, 2012	Aug 24, 2012	0.498609
Aug 27, 2012	Sep 24, 2012	0.489293
Sep 25, 2012	Oct 24, 2012	0.480043
Oct 25, 2012	Nov 23, 2012	0.467598
Nov 26, 2012	Dec 24, 2012	0.461439
Dec 26, 2012	Jan 24, 2013	0.454410
Jan 25, 2013	Feb 22, 2013	0.445217
Feb 25, 2013	Mar 22, 2013	0.435437
Mar 25, 2013	Apr 24, 2013	0.429276
Apr 25, 2013	May 24, 2013	0.421604
May 28, 2013	Jun 24, 2013	0.409928
Jun 25, 2013	Jul 24, 2013	0.402413
Jul 25, 2013	Aug 23, 2013	0.391049
Aug 26, 2013	Sep 24, 2013	0.378136
Sep 25, 2013	Oct 24, 2013	0.368776
Oct 25, 2013	Nov 22, 2013	0.363037
Nov 25, 2013	Dec 24, 2013	0.356942
Dec 26, 2013	Jan 24, 2014	0.350236
Jan 27, 2014	Feb 24, 2014	0.344843
Feb 25, 2014	Mar 24, 2014	0.339284
Mar 25, 2014	Apr 24, 2014	0.335422
Apr 25, 2014	May 23, 2014	0.328611
May 27, 2014	Jun 24, 2014	0.321593
Jun 25, 2014	Jul 24, 2014	0.316147
Jul 25, 2014	Aug 22, 2014	0.310025
Aug 25, 2014	Sep 24, 2014	0.305465
Sep 25, 2014	Oct 24, 2014	0.299409
Oct 27, 2014	Nov 24, 2014	0.296770
Nov 25, 2014	Dec 24, 2014	0.290249
Dec 26, 2014	Jan 23, 2015	0.284868
Jan 26, 2015	Feb 24, 2015	0.279505
Feb 25, 2015	Mar 24, 2015	0.274362
Mar 25, 2015	Apr 24, 2015	0.272485
Apr 27, 2015	May 22, 2015	0.268016
May 26, 2015	Jun 24, 2015	0.262837
Jun 25, 2015		0.260061

A107 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	0.931829
Nov 25, 2008	Dec 24, 2008	0.924350
Dec 26, 2008	Jan 23, 2009	0.920896
Jan 26, 2009	Feb 24, 2009	0.915573
Feb 25, 2009	Mar 24, 2009	0.907730
Mar 25, 2009	Apr 24, 2009	0.895062
Apr 27, 2009	May 22, 2009	0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010 Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	0.667296
Feb 25, 2011	Mar 24, 2011	0.652213
Mar 25, 2011	Apr 22, 2011	0.641475
Apr 25, 2011	May 24, 2011	0.632922
May 25, 2011	Jun 24, 2011	0.621867
Jun 27, 2011	Jul 22, 2011	0.615857
Jul 25, 2011	Aug 24, 2011	0.607926
Aug 25, 2011	Sep 23, 2011	0.599864
	1: -/	0.352517

A107 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.541503
Mar 26, 2012	Apr 24, 2012	0.537151
Apr 25, 2012	May 24, 2012	0.527705
May 25, 2012	Jun 22, 2012	0.515450
Jun 25, 2012	Jul 24, 2012	0.508472
Jul 25, 2012	Aug 24, 2012	0.498609
Aug 27, 2012	Sep 24, 2012	0.489293
Sep 25, 2012	Oct 24, 2012	0.480043
Oct 25, 2012	Nov 23, 2012	0.467598
Nov 26, 2012	Dec 24, 2012	0.461439
Dec 26, 2012	Jan 24, 2013	0.454410
Jan 25, 2013	Feb 22, 2013	0.445217
Feb 25, 2013	Mar 22, 2013	0.435437
Mar 25, 2013	Apr 24, 2013	0.429276
Apr 25, 2013	May 24, 2013	0.421604
May 28, 2013	Jun 24, 2013	0.409928
Jun 25, 2013	Jul 24, 2013	0.402413
Jul 25, 2013	Aug 23, 2013	0.391049
Aug 26, 2013	Sep 24, 2013	0.378136
Sep 25, 2013	Oct 24, 2013	0.368776
Oct 25, 2013	Nov 22, 2013	0.363037
Nov 25, 2013	Dec 24, 2013	0.356942
Dec 26, 2013	Jan 24, 2014	0.350236
Jan 27, 2014	Feb 24, 2014	0.344843
Feb 25, 2014	Mar 24, 2014	0.339284
Mar 25, 2014	Apr 24, 2014	0.335422
Apr 25, 2014	May 23, 2014	0.328611
May 27, 2014	Jun 24, 2014	0.321593
Jun 25, 2014	Jul 24, 2014	0.316147
Jul 25, 2014	Aug 22, 2014	0.310025
Aug 25, 2014	Sep 24, 2014	0.305465
Sep 25, 2014	Oct 24, 2014	0.299409
Oct 27, 2014	Nov 24, 2014	0.296770
Nov 25, 2014	Dec 24, 2014	0.290249
Dec 26, 2014	Jan 23, 2015	0.284868
Jan 26, 2015	Feb 24, 2015	0.279505
Feb 25, 2015	Mar 24, 2015	0.274362
Mar 25, 2015	Apr 24, 2015	0.272485
Apr 27, 2015	May 22, 2015	0.268016
May 26, 2015	Jun 24, 2015	0.262837
Jun 25, 2015		0.260061

A108 Certificate Factor Chart

From	То	<u>Factor</u>
<u>FIOIII</u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	
Nov 25, 2008	Dec 24, 2008	0.931829
Dec 26, 2008	Jan 23, 2009	0.924350 0.920896
Jan 26, 2009	Feb 24, 2009	0.920890
Feb 25, 2009	Mar 24, 2009	0.913373
Mar 25, 2009	Apr 24, 2009	
Apr 27, 2009	May 22, 2009	0.895062 0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010	Jan 24, 2011	0.667296
Jan 25, 2011	Feb 24, 2011	0.652213
Feb 25, 2011	Mar 24, 2011	0.641475
Mar 25, 2011	Apr 22, 2011	0.632922
Apr 25, 2011	May 24, 2011	0.621867
May 25, 2011	Jun 24, 2011	0.615857
Jun 27, 2011	Jul 22, 2011	0.607926
Jul 25, 2011	Aug 24, 2011	0.599864
Aug 25, 2011	Sep 23, 2011	0.592317

A108 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.541503
Mar 26, 2012	Apr 24, 2012	0.537151
Apr 25, 2012	May 24, 2012	0.527705
May 25, 2012	Jun 22, 2012	0.515450
Jun 25, 2012	Jul 24, 2012	0.508472
Jul 25, 2012	Aug 24, 2012	0.498609
Aug 27, 2012	Sep 24, 2012	0.489293
Sep 25, 2012	Oct 24, 2012	0.480043
Oct 25, 2012	Nov 23, 2012	0.467598
Nov 26, 2012	Dec 24, 2012	0.461439
Dec 26, 2012	Jan 24, 2013	0.454410
Jan 25, 2013	Feb 22, 2013	0.445217
Feb 25, 2013	Mar 22, 2013	0.435437
Mar 25, 2013	Apr 24, 2013	0.429276
Apr 25, 2013	May 24, 2013	0.421604
May 28, 2013	Jun 24, 2013	0.409928
Jun 25, 2013	Jul 24, 2013	0.402413
Jul 25, 2013	Aug 23, 2013	0.391049
Aug 26, 2013	Sep 24, 2013	0.378136
Sep 25, 2013	Oct 24, 2013	0.368776
Oct 25, 2013	Nov 22, 2013	0.363037
Nov 25, 2013	Dec 24, 2013	0.356942
Dec 26, 2013	Jan 24, 2014	0.350236
Jan 27, 2014	Feb 24, 2014	0.344843
Feb 25, 2014	Mar 24, 2014	0.339284
Mar 25, 2014	Apr 24, 2014	0.335422
Apr 25, 2014	May 23, 2014	0.328611
May 27, 2014	Jun 24, 2014	0.321593
Jun 25, 2014	Jul 24, 2014	0.316147
Jul 25, 2014	Aug 22, 2014	0.310025
Aug 25, 2014	Sep 24, 2014	0.305465
Sep 25, 2014	Oct 24, 2014	0.299409
Oct 27, 2014	Nov 24, 2014	0.296770
Nov 25, 2014	Dec 24, 2014	0.290249
Dec 26, 2014	Jan 23, 2015	0.284868
Jan 26, 2015	Feb 24, 2015	0.279505
Feb 25, 2015	Mar 24, 2015	0.274362
Mar 25, 2015	Apr 24, 2015	0.272485
Apr 27, 2015	May 22, 2015	0.268016
May 26, 2015	Jun 24, 2015	0.262837
Jun 25, 2015		0.260061

A109 Certificate Factor Chart

From	То	<u>Factor</u>
<u>FIOIII</u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	
Nov 25, 2008	Dec 24, 2008	0.931829
Dec 26, 2008	Jan 23, 2009	0.924350 0.920896
Jan 26, 2009	Feb 24, 2009	0.920890
Feb 25, 2009	Mar 24, 2009	0.913373
Mar 25, 2009	Apr 24, 2009	
Apr 27, 2009	May 22, 2009	0.895062 0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010	Jan 24, 2011	0.667296
Jan 25, 2011	Feb 24, 2011	0.652213
Feb 25, 2011	Mar 24, 2011	0.641475
Mar 25, 2011	Apr 22, 2011	0.632922
Apr 25, 2011	May 24, 2011	0.621867
May 25, 2011	Jun 24, 2011	0.615857
Jun 27, 2011	Jul 22, 2011	0.607926
Jul 25, 2011	Aug 24, 2011	0.599864
Aug 25, 2011	Sep 23, 2011	0.592317

A109 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.541503
Mar 26, 2012	Apr 24, 2012	0.537151
Apr 25, 2012	May 24, 2012	0.527705
May 25, 2012	Jun 22, 2012	0.515450
Jun 25, 2012	Jul 24, 2012	0.508472
Jul 25, 2012	Aug 24, 2012	0.498609
Aug 27, 2012	Sep 24, 2012	0.489293
Sep 25, 2012	Oct 24, 2012	0.480043
Oct 25, 2012	Nov 23, 2012	0.467598
Nov 26, 2012	Dec 24, 2012	0.461439
Dec 26, 2012	Jan 24, 2013	0.454410
Jan 25, 2013	Feb 22, 2013	0.445217
Feb 25, 2013	Mar 22, 2013	0.435437
Mar 25, 2013	Apr 24, 2013	0.429276
Apr 25, 2013	May 24, 2013	0.421604
May 28, 2013	Jun 24, 2013	0.409928
Jun 25, 2013	Jul 24, 2013	0.402413
Jul 25, 2013	Aug 23, 2013	0.391049
Aug 26, 2013	Sep 24, 2013	0.378136
Sep 25, 2013	Oct 24, 2013	0.368776
Oct 25, 2013	Nov 22, 2013	0.363037
Nov 25, 2013	Dec 24, 2013	0.356942
Dec 26, 2013	Jan 24, 2014	0.350236
Jan 27, 2014	Feb 24, 2014	0.344843
Feb 25, 2014	Mar 24, 2014	0.339284
Mar 25, 2014	Apr 24, 2014	0.335422
Apr 25, 2014	May 23, 2014	0.328611
May 27, 2014	Jun 24, 2014	0.321593
Jun 25, 2014	Jul 24, 2014	0.316147
Jul 25, 2014	Aug 22, 2014	0.310025
Aug 25, 2014	Sep 24, 2014	0.305465
Sep 25, 2014	Oct 24, 2014	0.299409
Oct 27, 2014	Nov 24, 2014	0.296770
Nov 25, 2014	Dec 24, 2014	0.290249
Dec 26, 2014	Jan 23, 2015	0.284868
Jan 26, 2015	Feb 24, 2015	0.279505
Feb 25, 2015	Mar 24, 2015	0.274362
Mar 25, 2015	Apr 24, 2015	0.272485
Apr 27, 2015	May 22, 2015	0.268016
May 26, 2015	Jun 24, 2015	0.262837
Jun 25, 2015		0.260061
Sep 25, 2014 Oct 27, 2014 Nov 25, 2014 Dec 26, 2014 Jan 26, 2015 Feb 25, 2015 Mar 25, 2015 Apr 27, 2015 May 26, 2015	Oct 24, 2014 Nov 24, 2014 Dec 24, 2014 Jan 23, 2015 Feb 24, 2015 Mar 24, 2015 Apr 24, 2015 May 22, 2015	0.305465 0.299409 0.296770 0.290249 0.284868 0.279505 0.274362 0.272485 0.268016 0.262837

A110 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	0.931829
Nov 25, 2008	Dec 24, 2008	0.924350
Dec 26, 2008	Jan 23, 2009	0.920896
Jan 26, 2009	Feb 24, 2009	0.915573
Feb 25, 2009	Mar 24, 2009	0.907730
Mar 25, 2009	Apr 24, 2009	0.895062
Apr 27, 2009	May 22, 2009	0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010 Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	0.667296
Feb 25, 2011	Mar 24, 2011	0.652213
Mar 25, 2011	Apr 22, 2011	0.641475
Apr 25, 2011	May 24, 2011	0.632922
May 25, 2011	Jun 24, 2011	0.621867
Jun 27, 2011	Jul 22, 2011	0.615857
Jul 25, 2011	Aug 24, 2011	0.607926
Aug 25, 2011	Sep 23, 2011	0.599864
	1: -/	0.352517

A110 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.541503
Mar 26, 2012	Apr 24, 2012	0.537151
Apr 25, 2012	May 24, 2012	0.527705
May 25, 2012	Jun 22, 2012	0.515450
Jun 25, 2012	Jul 24, 2012	0.508472
Jul 25, 2012	Aug 24, 2012	0.498609
Aug 27, 2012	Sep 24, 2012	0.489293
Sep 25, 2012	Oct 24, 2012	0.480043
Oct 25, 2012	Nov 23, 2012	0.467598
Nov 26, 2012	Dec 24, 2012	0.461439
Dec 26, 2012	Jan 24, 2013	0.454410
Jan 25, 2013	Feb 22, 2013	0.445217
Feb 25, 2013	Mar 22, 2013	0.435437
Mar 25, 2013	Apr 24, 2013	0.429276
Apr 25, 2013	May 24, 2013	0.421604
May 28, 2013	Jun 24, 2013	0.409928
Jun 25, 2013	Jul 24, 2013	0.402413
Jul 25, 2013	Aug 23, 2013	0.391049
Aug 26, 2013	Sep 24, 2013	0.378136
Sep 25, 2013	Oct 24, 2013	0.368776
Oct 25, 2013	Nov 22, 2013	0.363037
Nov 25, 2013	Dec 24, 2013	0.356942
Dec 26, 2013	Jan 24, 2014	0.350236
Jan 27, 2014	Feb 24, 2014	0.344843
Feb 25, 2014	Mar 24, 2014	0.339284
Mar 25, 2014	Apr 24, 2014	0.335422
Apr 25, 2014	May 23, 2014	0.328611
May 27, 2014	Jun 24, 2014	0.321593
Jun 25, 2014	Jul 24, 2014	0.316147
Jul 25, 2014	Aug 22, 2014	0.310025
Aug 25, 2014	Sep 24, 2014	0.305465
Sep 25, 2014	Oct 24, 2014	0.299409
Oct 27, 2014	Nov 24, 2014	0.296770
Nov 25, 2014	Dec 24, 2014	0.290249
Dec 26, 2014	Jan 23, 2015	0.284868
Jan 26, 2015	Feb 24, 2015	0.279505
Feb 25, 2015	Mar 24, 2015	0.274362
Mar 25, 2015	Apr 24, 2015	0.272485
Apr 27, 2015	May 22, 2015	0.268016
May 26, 2015	Jun 24, 2015	0.262837
Jun 25, 2015		0.260061
Sep 25, 2014 Oct 27, 2014 Nov 25, 2014 Dec 26, 2014 Jan 26, 2015 Feb 25, 2015 Mar 25, 2015 Apr 27, 2015 May 26, 2015	Oct 24, 2014 Nov 24, 2014 Dec 24, 2014 Jan 23, 2015 Feb 24, 2015 Mar 24, 2015 Apr 24, 2015 May 22, 2015	0.305465 0.299409 0.296770 0.290249 0.284868 0.279505 0.274362 0.272485 0.268016 0.262837

A111 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	0.931829
Nov 25, 2008	Dec 24, 2008	0.924350
Dec 26, 2008	Jan 23, 2009	0.920896
Jan 26, 2009	Feb 24, 2009	0.915573
Feb 25, 2009	Mar 24, 2009	0.907730
Mar 25, 2009	Apr 24, 2009	0.895062
Apr 27, 2009	May 22, 2009	0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010 Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	0.667296
Feb 25, 2011	Mar 24, 2011	0.652213
Mar 25, 2011	Apr 22, 2011	0.641475
Apr 25, 2011	May 24, 2011	0.632922
May 25, 2011	Jun 24, 2011	0.621867
Jun 27, 2011	Jul 22, 2011	0.615857
Jul 25, 2011	Aug 24, 2011	0.607926
Aug 25, 2011	Sep 23, 2011	0.599864
	1: -/	0.352517

A111 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.541503
Mar 26, 2012	Apr 24, 2012	0.537151
Apr 25, 2012	May 24, 2012	0.527705
May 25, 2012	Jun 22, 2012	0.515450
Jun 25, 2012	Jul 24, 2012	0.508472
Jul 25, 2012	Aug 24, 2012	0.498609
Aug 27, 2012	Sep 24, 2012	0.489293
Sep 25, 2012	Oct 24, 2012	0.480043
Oct 25, 2012	Nov 23, 2012	0.467598
Nov 26, 2012	Dec 24, 2012	0.461439
Dec 26, 2012	Jan 24, 2013	0.454410
Jan 25, 2013	Feb 22, 2013	0.445217
Feb 25, 2013	Mar 22, 2013	0.435437
Mar 25, 2013	Apr 24, 2013	0.429276
Apr 25, 2013	May 24, 2013	0.421604
May 28, 2013	Jun 24, 2013	0.409928
Jun 25, 2013	Jul 24, 2013	0.402413
Jul 25, 2013	Aug 23, 2013	0.391049
Aug 26, 2013	Sep 24, 2013	0.378136
Sep 25, 2013	Oct 24, 2013	0.368776
Oct 25, 2013	Nov 22, 2013	0.363037
Nov 25, 2013	Dec 24, 2013	0.356942
Dec 26, 2013	Jan 24, 2014	0.350236
Jan 27, 2014	Feb 24, 2014	0.344843
Feb 25, 2014	Mar 24, 2014	0.339284
Mar 25, 2014	Apr 24, 2014	0.335422
Apr 25, 2014	May 23, 2014	0.328611
May 27, 2014	Jun 24, 2014	0.321593
Jun 25, 2014	Jul 24, 2014	0.316147
Jul 25, 2014	Aug 22, 2014	0.310025
Aug 25, 2014	Sep 24, 2014	0.305465
Sep 25, 2014	Oct 24, 2014	0.299409
Oct 27, 2014	Nov 24, 2014	0.296770
Nov 25, 2014	Dec 24, 2014	0.290249
Dec 26, 2014	Jan 23, 2015	0.284868
Jan 26, 2015	Feb 24, 2015	0.279505
Feb 25, 2015	Mar 24, 2015	0.274362
Mar 25, 2015	Apr 24, 2015	0.272485
Apr 27, 2015	May 22, 2015	0.268016
May 26, 2015	Jun 24, 2015	0.262837
Jun 25, 2015		0.260061

A112 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	0.931829
Nov 25, 2008	Dec 24, 2008	0.924350
Dec 26, 2008	Jan 23, 2009	0.920896
Jan 26, 2009	Feb 24, 2009	0.915573
Feb 25, 2009	Mar 24, 2009	0.907730
Mar 25, 2009	Apr 24, 2009	0.895062
Apr 27, 2009	May 22, 2009	0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010 Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	0.667296
Feb 25, 2011	Mar 24, 2011	0.652213
Mar 25, 2011	Apr 22, 2011	0.641475
Apr 25, 2011	May 24, 2011	0.632922
May 25, 2011	Jun 24, 2011	0.621867
Jun 27, 2011	Jul 22, 2011	0.615857
Jul 25, 2011	Aug 24, 2011	0.607926
Aug 25, 2011	Sep 23, 2011	0.599864
	1: -/	0.352517

A112 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.541503
Mar 26, 2012	Apr 24, 2012	0.537151
Apr 25, 2012	May 24, 2012	0.527705
May 25, 2012	Jun 22, 2012	0.515450
Jun 25, 2012	Jul 24, 2012	0.508472
Jul 25, 2012	Aug 24, 2012	0.498609
Aug 27, 2012	Sep 24, 2012	0.489293
Sep 25, 2012	Oct 24, 2012	0.480043
Oct 25, 2012	Nov 23, 2012	0.467598
Nov 26, 2012	Dec 24, 2012	0.461439
Dec 26, 2012	Jan 24, 2013	0.454410
Jan 25, 2013	Feb 22, 2013	0.445217
Feb 25, 2013	Mar 22, 2013	0.435437
Mar 25, 2013	Apr 24, 2013	0.429276
Apr 25, 2013	May 24, 2013	0.421604
May 28, 2013	Jun 24, 2013	0.409928
Jun 25, 2013	Jul 24, 2013	0.402413
Jul 25, 2013	Aug 23, 2013	0.391049
Aug 26, 2013	Sep 24, 2013	0.378136
Sep 25, 2013	Oct 24, 2013	0.368776
Oct 25, 2013	Nov 22, 2013	0.363037
Nov 25, 2013	Dec 24, 2013	0.356942
Dec 26, 2013	Jan 24, 2014	0.350236
Jan 27, 2014	Feb 24, 2014	0.344843
Feb 25, 2014	Mar 24, 2014	0.339284
Mar 25, 2014	Apr 24, 2014	0.335422
Apr 25, 2014	May 23, 2014	0.328611
May 27, 2014	Jun 24, 2014	0.321593
Jun 25, 2014	Jul 24, 2014	0.316147
Jul 25, 2014	Aug 22, 2014	0.310025
Aug 25, 2014	Sep 24, 2014	0.305465
Sep 25, 2014	Oct 24, 2014	0.299409
Oct 27, 2014	Nov 24, 2014	0.296770
Nov 25, 2014	Dec 24, 2014	0.290249
Dec 26, 2014	Jan 23, 2015	0.284868
Jan 26, 2015	Feb 24, 2015	0.279505
Feb 25, 2015	Mar 24, 2015	0.274362
Mar 25, 2015	Apr 24, 2015	0.272485
Apr 27, 2015	May 22, 2015	0.268016
May 26, 2015	Jun 24, 2015	0.262837
Jun 25, 2015		0.260061

A113 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997433
Sep 25, 2007	Oct 24, 2007	0.992141
Oct 25, 2007	Nov 23, 2007	0.988984
Nov 26, 2007	Dec 24, 2007	0.987177
Dec 26, 2007	Jan 24, 2008	0.983433
Jan 25, 2008	Feb 22, 2008	0.978847
Feb 25, 2008	Mar 24, 2008	0.973845
Mar 25, 2008	Apr 24, 2008	0.969396
Apr 25, 2008	May 23, 2008	0.963237
May 27, 2008	Jun 24, 2008	0.956658
Jun 25, 2008	Jul 24, 2008	0.950492
Jul 25, 2008	Aug 22, 2008	0.942944
Aug 25, 2008	Sep 24, 2008	0.938432
Sep 25, 2008	Oct 24, 2008	0.933673
Oct 27, 2008	Nov 24, 2008	0.931829
Nov 25, 2008	Dec 24, 2008	0.924350
Dec 26, 2008	Jan 23, 2009	0.920896
Jan 26, 2009	Feb 24, 2009	0.915573
Feb 25, 2009	Mar 24, 2009	0.907730
Mar 25, 2009	Apr 24, 2009	0.895062
Apr 27, 2009	May 22, 2009	0.885229
May 26, 2009	Jun 24, 2009	0.870030
Jun 25, 2009	Jul 24, 2009	0.856100
Jul 27, 2009	Aug 24, 2009	0.843630
Aug 25, 2009	Sep 24, 2009	0.829515
Sep 25, 2009	Oct 23, 2009	0.822961
Oct 26, 2009	Nov 24, 2009	0.813760
Nov 25, 2009	Dec 24, 2009	0.806426
Dec 28, 2009	Jan 22, 2010	0.797506
Jan 25, 2010	Feb 24, 2010	0.786992
Feb 25, 2010	Mar 24, 2010	0.773929
Mar 25, 2010	Apr 23, 2010	0.767827
Apr 26, 2010	May 24, 2010	0.758861
May 25, 2010	Jun 24, 2010	0.751386
Jun 25, 2010	Jul 23, 2010	0.744771
Jul 26, 2010	Aug 24, 2010	0.734094
Aug 25, 2010	Sep 24, 2010	0.721041
Sep 27, 2010	Oct 22, 2010	0.709521
Oct 25, 2010	Nov 24, 2010	0.695569
Nov 26, 2010	Dec 23, 2010	0.681257
Dec 27, 2010 Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	0.667296
Feb 25, 2011	Mar 24, 2011	0.652213
Mar 25, 2011	Apr 22, 2011	0.641475
Apr 25, 2011	May 24, 2011	0.632922
May 25, 2011	Jun 24, 2011	0.621867
Jun 27, 2011	Jul 22, 2011	0.615857
Jul 25, 2011	Aug 24, 2011	0.607926
Aug 25, 2011	Sep 23, 2011	0.599864
	1: -/	0.352517

A113 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.581790
Oct 25, 2011	Nov 23, 2011	0.573878
Nov 25, 2011	Dec 23, 2011	0.567637
Dec 27, 2011	Jan 24, 2012	0.561072
Jan 25, 2012	Feb 24, 2012	0.550454
Feb 27, 2012	Mar 23, 2012	0.541503
Mar 26, 2012	Apr 24, 2012	0.537151
Apr 25, 2012	May 24, 2012	0.527705
May 25, 2012	Jun 22, 2012	0.515450
Jun 25, 2012	Jul 24, 2012	0.508472
Jul 25, 2012	Aug 24, 2012	0.498609
Aug 27, 2012	Sep 24, 2012	0.489293
Sep 25, 2012	Oct 24, 2012	0.480043
Oct 25, 2012	Nov 23, 2012	0.467598
Nov 26, 2012	Dec 24, 2012	0.461439
Dec 26, 2012	Jan 24, 2013	0.454410
Jan 25, 2013	Feb 22, 2013	0.445217
Feb 25, 2013	Mar 22, 2013	0.435437
Mar 25, 2013	Apr 24, 2013	0.429276
Apr 25, 2013	May 24, 2013	0.421604
May 28, 2013	Jun 24, 2013	0.409928
Jun 25, 2013	Jul 24, 2013	0.402413
Jul 25, 2013	Aug 23, 2013	0.391049
Aug 26, 2013	Sep 24, 2013	0.378136
Sep 25, 2013	Oct 24, 2013	0.368776
Oct 25, 2013	Nov 22, 2013	0.363037
Nov 25, 2013	Dec 24, 2013	0.356942
Dec 26, 2013	Jan 24, 2014	0.350236
Jan 27, 2014	Feb 24, 2014	0.344843
Feb 25, 2014	Mar 24, 2014	0.339284
Mar 25, 2014	Apr 24, 2014	0.335422
Apr 25, 2014	May 23, 2014	0.328611
May 27, 2014	Jun 24, 2014	0.321593
Jun 25, 2014	Jul 24, 2014	0.316147
Jul 25, 2014	Aug 22, 2014	0.310025
Aug 25, 2014	Sep 24, 2014	0.305486
Sep 25, 2014	Oct 24, 2014	0.299409
Oct 27, 2014	Nov 24, 2014	0.296770
Nov 25, 2014	Dec 24, 2014	0.290249
Dec 26, 2014	Jan 23, 2015	0.284868
Jan 26, 2015	Feb 24, 2015	0.279505
Feb 25, 2015	Mar 24, 2015	0.274362
Mar 25, 2015	Apr 24, 2015	0.272485
Apr 27, 2015	May 22, 2015	0.268016
May 26, 2015	Jun 24, 2015	0.262837
Jun 25, 2015		0.260061

A114 Certificate Factor Chart

From	То	Factor
<u></u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.998190
Sep 25, 2007	Oct 24, 2007	0.991263
Oct 25, 2007	Nov 23, 2007	0.985774
Nov 26, 2007	Dec 24, 2007	0.980053
Dec 26, 2007	Jan 24, 2008	0.979440
Jan 25, 2008	Feb 22, 2008	0.971695
Feb 25, 2008	Mar 24, 2008	0.962080
Mar 25, 2008	Apr 24, 2008	0.956615
Apr 25, 2008	May 23, 2008	0.946785
May 27, 2008	Jun 24, 2008	0.941877
Jun 25, 2008	Jul 24, 2008	0.929517
Jul 25, 2008	Aug 22, 2008	0.916411
Aug 25, 2008	Sep 24, 2008	0.912986
Sep 25, 2008	Oct 24, 2008	0.911908
Oct 27, 2008	Nov 24, 2008	0.910568
Nov 25, 2008	Dec 24, 2008	0.907721
Dec 26, 2008	Jan 23, 2009	0.904433
Jan 26, 2009	Feb 24, 2009	0.899079
Feb 25, 2009	Mar 24, 2009	0.892875
Mar 25, 2009	Apr 24, 2009	0.888652
Apr 27, 2009	May 22, 2009	0.884483
May 26, 2009	Jun 24, 2009	0.879050
Jun 25, 2009	Jul 24, 2009	0.877724
Jul 27, 2009	Aug 24, 2009	0.864610
Aug 25, 2009	Sep 24, 2009	0.855954
Sep 25, 2009	Oct 23, 2009	0.849063
Oct 26, 2009	Nov 24, 2009	0.843711
Nov 25, 2009	Dec 24, 2009	0.838151
Dec 28, 2009	Jan 22, 2010	0.830823
Jan 25, 2010	Feb 24, 2010	0.828405
Feb 25, 2010	Mar 24, 2010	0.823032
Mar 25, 2010	Apr 23, 2010	0.818316
Apr 26, 2010	May 24, 2010	0.806551
May 25, 2010	Jun 24, 2010	0.805562
Jun 25, 2010	Jul 23, 2010	0.799828
Jul 26, 2010	Aug 24, 2010	0.797766
Aug 25, 2010	Sep 24, 2010	0.783336
Sep 27, 2010	Oct 22, 2010	0.778410
Oct 25, 2010	Nov 24, 2010	0.773468
Nov 26, 2010	Dec 23, 2010	0.765731
Dec 27, 2010	Jan 24, 2011	0.765274
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.748033
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.741187
Apr 25, 2011	May 24, 2011	0.734125
May 25, 2011	Jun 24, 2011	0.728654
Jun 27, 2011	Jul 22, 2011	0.726724
Jul 25, 2011	Aug 24, 2011	0.722297
Aug 25, 2011	Sep 23, 2011	0.714929
	30p 23, 2011	0.714414

A114 Certificate Factor Chart

<u>From</u>	<u>To</u>	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.707461
Oct 25, 2011	Nov 23, 2011	0.695916
Nov 25, 2011	Dec 23, 2011	0.693679
Dec 27, 2011	Jan 24, 2012	0.693402
Jan 25, 2012	Feb 24, 2012	0.691170
Feb 27, 2012	Mar 23, 2012	0.690754
Mar 26, 2012	Apr 24, 2012	0.679649
Apr 25, 2012	May 24, 2012	0.668462
May 25, 2012	Jun 22, 2012	0.664117
Jun 25, 2012	Jul 24, 2012	0.660996
Jul 25, 2012	Aug 24, 2012	0.657061
Aug 27, 2012	Sep 24, 2012	0.652824
Sep 25, 2012	Oct 24, 2012	0.645747
Oct 25, 2012	Nov 23, 2012	0.637302
Nov 26, 2012	Dec 24, 2012	0.627777
Dec 26, 2012	Jan 24, 2013	0.617830
Jan 25, 2013	Feb 22, 2013	0.606942
Feb 25, 2013	Mar 22, 2013	0.604070
Mar 25, 2013	Apr 24, 2013	0.598234
Apr 25, 2013	May 24, 2013	0.593309
May 28, 2013	Jun 24, 2013	0.590013
Jun 25, 2013	Jul 24, 2013	0.576142
Jul 25, 2013	Aug 23, 2013	0.565209
Aug 26, 2013	Sep 24, 2013	0.559120
Sep 25, 2013	Oct 24, 2013	0.557981
Oct 25, 2013	Nov 22, 2013	0.552917
Nov 25, 2013	Dec 24, 2013	0.548816
Dec 26, 2013	Jan 24, 2014	0.538620
Jan 27, 2014	Feb 24, 2014	0.526643
Feb 25, 2014	Mar 24, 2014	0.520737
Mar 25, 2014	Apr 24, 2014	0.520300
Apr 25, 2014	May 23, 2014	0.516853
May 27, 2014	Jun 24, 2014	0.517005
Jun 25, 2014	Jul 24, 2014	0.513294
Jul 25, 2014	Aug 22, 2014	0.503385
Aug 25, 2014	Sep 24, 2014	0.491462
Sep 25, 2014	Oct 24, 2014	0.489719
Oct 27, 2014	Nov 24, 2014	0.486877
Nov 25, 2014	Dec 24, 2014	0.476036
Dec 26, 2014	Jan 23, 2015	0.463165
Jan 26, 2015	Feb 24, 2015	0.457466
Feb 25, 2015	Mar 24, 2015	0.457457
Mar 25, 2015	Apr 24, 2015	0.454616
Apr 27, 2015	May 22, 2015	0.440592
May 26, 2015	Jun 24, 2015	0.434775
Jun 25, 2015		0.432096

2A1 Certificate Factor Chart

From	То	<u>Factor</u>
<u> </u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995777
Sep 25, 2007	Oct 24, 2007	0.991731
Oct 25, 2007	Nov 23, 2007	0.987521
Nov 26, 2007	Dec 24, 2007	0.983474
Dec 26, 2007	Jan 24, 2008	0.979071
Jan 25, 2008	Feb 22, 2008	0.974194
Feb 25, 2008	Mar 24, 2008	0.969587
Mar 25, 2008	Apr 24, 2008	0.965049
Apr 25, 2008	May 23, 2008	0.948675
May 27, 2008	Jun 24, 2008	0.944062
Jun 25, 2008	Jul 24, 2008	0.812910
Jul 25, 2008	Aug 22, 2008	0.808218
Aug 25, 2008	Sep 24, 2008	0.788650
Sep 25, 2008	Oct 24, 2008	0.784117
Oct 27, 2008	Nov 24, 2008	0.779366
Nov 25, 2008	Dec 24, 2008	0.761197
Dec 26, 2008	Jan 23, 2009	0.755613
Jan 26, 2009	Feb 24, 2009	0.751484
Feb 25, 2009	Mar 24, 2009	0.670087
Mar 25, 2009	Apr 24, 2009	0.659707
Apr 27, 2009	May 22, 2009	0.626327
May 26, 2009	Jun 24, 2009	0.622444
Jun 25, 2009	Jul 24, 2009	0.616056
Jul 27, 2009	Aug 24, 2009	0.607470
Aug 25, 2009	Sep 24, 2009	0.603287
Sep 25, 2009	Oct 23, 2009	0.584164
Oct 26, 2009	Nov 24, 2009	0.577976
Nov 25, 2009	Dec 24, 2009	0.566370
Dec 28, 2009	Jan 22, 2010	0.561770
Jan 25, 2010	Feb 24, 2010	0.558414
Feb 25, 2010	Mar 24, 2010	0.555020
Mar 25, 2010	Apr 23, 2010	0.470379
Apr 26, 2010	May 24, 2010	0.467160
May 25, 2010	Jun 24, 2010	0.462885
Jun 25, 2010	Jul 23, 2010	0.459634
Jul 26, 2010	Aug 24, 2010	0.456832
Aug 25, 2010	Sep 24, 2010	0.453843
Sep 27, 2010	Oct 22, 2010	0.449684
Oct 25, 2010	Nov 24, 2010	0.446774
Nov 26, 2010	Dec 23, 2010	0.310407
Dec 27, 2010	Jan 24, 2011	0.307001
Jan 25, 2011	Feb 24, 2011	0.294739
Feb 25, 2011	Mar 24, 2011	0.233103
Mar 25, 2011	Apr 22, 2011	0.215492
Apr 25, 2011	May 24, 2011	0.212119
May 25, 2011	Jun 24, 2011	0.210345
Jun 27, 2011	Jul 22, 2011	0.207228
Jul 25, 2011	Aug 24, 2011	0.200282
Aug 25, 2011	Sep 23, 2011	0.122222

2A1 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.121244
Oct 25, 2011	Nov 23, 2011	0.120202
Nov 25, 2011	Dec 23, 2011	0.119157
Dec 27, 2011	Jan 24, 2012	0.118049
Jan 25, 2012	Feb 24, 2012	0.117169
Feb 27, 2012	Mar 23, 2012	0.115377
Mar 26, 2012	Apr 24, 2012	0.114274
Apr 25, 2012	May 24, 2012	0.113520
May 25, 2012	Jun 22, 2012	0.112794
Jun 25, 2012	Jul 24, 2012	0.112069
Jul 25, 2012	Aug 24, 2012	0.111341
Aug 27, 2012	Sep 24, 2012	0.110610
Sep 25, 2012	Oct 24, 2012	0.109875
Oct 25, 2012	Nov 23, 2012	0.109137
Nov 26, 2012	Dec 24, 2012	0.081895
Dec 26, 2012	Jan 24, 2013	0.073483
Jan 25, 2013	Feb 22, 2013	0.072637
Feb 25, 2013	Mar 22, 2013	0.072124
Mar 25, 2013	Apr 24, 2013	0.071608
Apr 25, 2013	May 24, 2013	0.071090
May 28, 2013	Jun 24, 2013	0.070570
Jun 25, 2013	Jul 24, 2013	0.070047
Jul 25, 2013	Aug 23, 2013	0.069522
Aug 26, 2013	Sep 24, 2013	0.068994
Sep 25, 2013	Oct 24, 2013	0.068464
Oct 25, 2013	Nov 22, 2013	0.067931
Nov 25, 2013	Dec 24, 2013	0.067396
Dec 26, 2013	Jan 24, 2014	0.066844
Jan 27, 2014	Feb 24, 2014	0.066304
Feb 25, 2014	Mar 24, 2014	0.065747
Mar 25, 2014	Apr 24, 2014	0.065202
Apr 25, 2014	May 23, 2014	0.064701
May 27, 2014	Jun 24, 2014	0.064151
Jun 25, 2014	Jul 24, 2014	0.063598
Jul 25, 2014	Aug 22, 2014	0.063058
Aug 25, 2014	Sep 24, 2014	0.037332
Sep 25, 2014	Oct 24, 2014	0.036992
Oct 27, 2014	Nov 24, 2014	0.036652
Nov 25, 2014	Dec 24, 2014	0.036309
Dec 26, 2014	Jan 23, 2015	0.035966
Jan 26, 2015	Feb 24, 2015	0.035620
Feb 25, 2015	Mar 24, 2015	0.035273
Mar 25, 2015	Apr 24, 2015	0.034925
Apr 27, 2015	May 22, 2015	0.034574
May 26, 2015	Jun 24, 2015	0.034223
Jun 25, 2015		0.033869

2A2 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.992571
Sep 25, 2007	Oct 24, 2007	0.983604
Oct 25, 2007	Nov 23, 2007	0.978301
Nov 26, 2007	Dec 24, 2007	0.956700
Dec 26, 2007	Jan 24, 2008	0.949760
Jan 25, 2008	Feb 22, 2008	0.943685
Feb 25, 2008	Mar 24, 2008	0.920814
Mar 25, 2008	Apr 24, 2008	0.908208
Apr 25, 2008	May 23, 2008	0.891767
May 27, 2008	Jun 24, 2008	0.875889
Jun 25, 2008	Jul 24, 2008	0.867827
Jul 25, 2008	Aug 22, 2008	0.857826
Aug 25, 2008	Sep 24, 2008	0.843472
Sep 25, 2008	Oct 24, 2008	0.835364
Oct 27, 2008	Nov 24, 2008	0.829877
Nov 25, 2008	Dec 24, 2008	0.803767
Dec 26, 2008	Jan 23, 2009	0.798608
Jan 26, 2009	Feb 24, 2009	0.794045
Feb 25, 2009	Mar 24, 2009	0.763968
Mar 25, 2009	Apr 24, 2009	0.746421
Apr 27, 2009	May 22, 2009	0.735900
May 26, 2009	Jun 24, 2009	0.705623
Jun 25, 2009	Jul 24, 2009	0.675721
Jul 27, 2009	Aug 24, 2009	0.655455
Aug 25, 2009	Sep 24, 2009	0.641942
Sep 25, 2009	Oct 23, 2009	0.613098
Oct 26, 2009	Nov 24, 2009	0.592620
Nov 25, 2009	Dec 24, 2009	0.582185
Dec 28, 2009	Jan 22, 2010	0.567937
Jan 25, 2010	Feb 24, 2010	0.559657
Feb 25, 2010	Mar 24, 2010	0.554316
Mar 25, 2010	Apr 23, 2010	0.544726
Apr 26, 2010	May 24, 2010	0.533853
May 25, 2010	Jun 24, 2010	0.513222
Jun 25, 2010	Jul 23, 2010	0.500439
Jul 26, 2010	Aug 24, 2010	0.484899
Aug 25, 2010	Sep 24, 2010	0.466880
Sep 27, 2010	Oct 22, 2010	0.460898
Oct 25, 2010	Nov 24, 2010	0.424697
Nov 26, 2010	Dec 23, 2010	0.400759
Dec 27, 2010	Jan 24, 2011	0.374487
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.352476
Mar 25, 2011	Mar 24, 2011	0.338671
Apr 25, 2011	Apr 22, 2011 May 24, 2011	0.327746
May 25, 2011	Jun 24, 2011	0.310471
Jun 27, 2011	Jul 22, 2011	0.294259
Jul 25, 2011	Aug 24, 2011	0.281925
Aug 25, 2011	Sep 23, 2011	0.272510
, 105 23, 2011	JCP 23, 2011	0.267860

2A2 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.260499
Oct 25, 2011	Nov 23, 2011	0.250796
Nov 25, 2011	Dec 23, 2011	0.239237
Dec 27, 2011	Jan 24, 2012	0.228275
Jan 25, 2012	Feb 24, 2012	0.223618
Feb 27, 2012	Mar 23, 2012	0.196297
Mar 26, 2012	Apr 24, 2012	0.187687
Apr 25, 2012	May 24, 2012	0.174398
May 25, 2012	Jun 22, 2012	0.166005
Jun 25, 2012	Jul 24, 2012	0.163983
Jul 25, 2012	Aug 24, 2012	0.162555
Aug 27, 2012	Sep 24, 2012	0.156868
Sep 25, 2012	Oct 24, 2012	0.148073
Oct 25, 2012	Nov 23, 2012	0.135808
Nov 26, 2012	Dec 24, 2012	0.134628
Dec 26, 2012	Jan 24, 2013	0.118167
Jan 25, 2013	Feb 22, 2013	0.111347
Feb 25, 2013	Mar 22, 2013	0.110569
Mar 25, 2013	Apr 24, 2013	0.109781
Apr 25, 2013	May 24, 2013	0.106705
May 28, 2013	Jun 24, 2013	0.102505
Jun 25, 2013	Jul 24, 2013	0.095303
Jul 25, 2013	Aug 23, 2013	0.093071
Aug 26, 2013	Sep 24, 2013	0.087823
Sep 25, 2013	Oct 24, 2013	0.087187
Oct 25, 2013	Nov 22, 2013	0.081761
Nov 25, 2013	Dec 24, 2013	0.079137
Dec 26, 2013	Jan 24, 2014	0.078265
Jan 27, 2014	Feb 24, 2014	0.077597
Feb 25, 2014	Mar 24, 2014	0.076985
Mar 25, 2014	Apr 24, 2014	0.072467
Apr 25, 2014	May 23, 2014	0.071284
May 27, 2014	Jun 24, 2014	0.064928
Jun 25, 2014	Jul 24, 2014	0.063593
Jul 25, 2014	Aug 22, 2014	0.060596
Aug 25, 2014	Sep 24, 2014	0.056565
Sep 25, 2014	Oct 24, 2014	0.053485
Oct 27, 2014	Nov 24, 2014	0.048951
Nov 25, 2014	Dec 24, 2014	0.047810
Dec 26, 2014	Jan 23, 2015	0.044081
Jan 26, 2015	Feb 24, 2015	0.043647
Feb 25, 2015	Mar 24, 2015	0.041692
Mar 25, 2015	Apr 24, 2015	0.041076
Apr 27, 2015	May 22, 2015	0.040401
May 26, 2015	Jun 24, 2015	0.039955
Jun 25, 2015		0.039590
Apr 25, 2013 May 28, 2013 Jun 25, 2013 Jul 25, 2013 Aug 26, 2013 Sep 25, 2013 Oct 25, 2013 Nov 25, 2013 Dec 26, 2013 Jan 27, 2014 Feb 25, 2014 Mar 25, 2014 May 27, 2014 Jun 25, 2014 Jun 25, 2014 Aug 25, 2014 Aug 25, 2014 Aug 25, 2014 Oct 27, 2014 Nov 25, 2014 Dec 26, 2014 Dec 26, 2015 Feb 25, 2015 Mar 27, 2015 May 26, 2015	May 24, 2013 Jun 24, 2013 Jul 24, 2013 Aug 23, 2013 Sep 24, 2013 Oct 24, 2013 Nov 22, 2013 Dec 24, 2014 Feb 24, 2014 Mar 24, 2014 Apr 24, 2014 Jun 24, 2014 Jul 24, 2014 Aug 22, 2014 Sep 24, 2014 Oct 24, 2014 Nov 24, 2014 Dec 24, 2014 Dec 24, 2014 Jun 24, 2014 Nov 24, 2014 Nov 24, 2014 Aug 22, 2015 Mar 24, 2015 Mar 24, 2015 Apr 24, 2015 May 22, 2015	0.106705 0.102505 0.095303 0.093071 0.087823 0.087187 0.081761 0.079137 0.078265 0.077597 0.076985 0.072467 0.071284 0.064928 0.063593 0.060596 0.056565 0.053485 0.048951 0.047810 0.044081 0.043647 0.041692 0.041076 0.040401 0.039955

2A3 Certificate Factor Chart

From	То	Factor
<u></u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.984695
Sep 25, 2007	Oct 24, 2007	0.978667
Oct 25, 2007	Nov 23, 2007	0.973241
Nov 26, 2007	Dec 24, 2007	0.961617
Dec 26, 2007	Jan 24, 2008	0.951530
Jan 25, 2008	Feb 22, 2008	0.946901
Feb 25, 2008	Mar 24, 2008	0.927990
Mar 25, 2008	Apr 24, 2008	0.902007
Apr 25, 2008	May 23, 2008	0.886142
May 27, 2008	Jun 24, 2008	0.866289
Jun 25, 2008	Jul 24, 2008	0.848216
Jul 25, 2008	Aug 22, 2008	0.831360
Aug 25, 2008	Sep 24, 2008	0.814289
Sep 25, 2008	Oct 24, 2008	0.799179
Oct 27, 2008	Nov 24, 2008	0.793944
Nov 25, 2008	Dec 24, 2008	0.777534
Dec 26, 2008	Jan 23, 2009	0.771813
Jan 26, 2009	Feb 24, 2009	0.766842
Feb 25, 2009	Mar 24, 2009	0.749863
Mar 25, 2009	Apr 24, 2009	0.734686
Apr 27, 2009	May 22, 2009	0.715550
May 26, 2009	Jun 24, 2009	0.704571
Jun 25, 2009	Jul 24, 2009	0.684342
Jul 27, 2009	Aug 24, 2009	0.660142
Aug 25, 2009	Sep 24, 2009	0.640085
Sep 25, 2009	Oct 23, 2009	0.617777
Oct 26, 2009	Nov 24, 2009	0.593694
Nov 25, 2009	Dec 24, 2009	0.582462
Dec 28, 2009	Jan 22, 2010	0.564755
Jan 25, 2010	Feb 24, 2010	0.553972
Feb 25, 2010	Mar 24, 2010	0.548822
Mar 25, 2010	Apr 23, 2010	0.539076
Apr 26, 2010	May 24, 2010	0.522327
May 25, 2010	Jun 24, 2010	0.506231
Jun 25, 2010	Jul 23, 2010	0.497086
Jul 26, 2010	Aug 24, 2010	0.482296
Aug 25, 2010	Sep 24, 2010	0.469561
Sep 27, 2010	Oct 22, 2010	0.452562
Oct 25, 2010	Nov 24, 2010	0.431434
Nov 26, 2010	Dec 23, 2010	0.408094
Dec 27, 2010	Jan 24, 2011	0.396121
Jan 25, 2011	Feb 24, 2011	0.370777
Feb 25, 2011	Mar 24, 2011	0.366659
Mar 25, 2011	Apr 22, 2011	0.358671
Apr 25, 2011	May 24, 2011	0.350370
May 25, 2011	Jun 24, 2011	0.336466
Jun 27, 2011	Jul 22, 2011	0.330811
Jul 25, 2011	Aug 24, 2011	0.319480
Aug 25, 2011	Sep 23, 2011	0.314110

2A3 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.307129
Oct 25, 2011	Nov 23, 2011	0.296081
Nov 25, 2011	Dec 23, 2011	0.291599
Dec 27, 2011	Jan 24, 2012	0.283424
Jan 25, 2012	Feb 24, 2012	0.271814
Feb 27, 2012	Mar 23, 2012	0.264951
Mar 26, 2012	Apr 24, 2012	0.248133
Apr 25, 2012	May 24, 2012	0.240801
May 25, 2012	Jun 22, 2012	0.223608
Jun 25, 2012	Jul 24, 2012	0.215805
Jul 25, 2012	Aug 24, 2012	0.211719
Aug 27, 2012	Sep 24, 2012	0.201183
Sep 25, 2012	Oct 24, 2012	0.192726
Oct 25, 2012	Nov 23, 2012	0.182126
Nov 26, 2012	Dec 24, 2012	0.179608
Dec 26, 2012	Jan 24, 2013	0.164206
Jan 25, 2013	Feb 22, 2013	0.159213
Feb 25, 2013	Mar 22, 2013	0.153264
Mar 25, 2013	Apr 24, 2013	0.151906
Apr 25, 2013	May 24, 2013	0.147865
May 28, 2013	Jun 24, 2013	0.146607
Jun 25, 2013	Jul 24, 2013	0.138407
Jul 25, 2013	Aug 23, 2013	0.128372
Aug 26, 2013	Sep 24, 2013	0.120424
Sep 25, 2013	Oct 24, 2013	0.119378
Oct 25, 2013	Nov 22, 2013	0.111648
Nov 25, 2013	Dec 24, 2013	0.107727
Dec 26, 2013	Jan 24, 2014	0.103587
Jan 27, 2014	Feb 24, 2014	0.102663
Feb 25, 2014	Mar 24, 2014	0.101885
Mar 25, 2014	Apr 24, 2014	0.099565
Apr 25, 2014	May 23, 2014	0.098472
May 27, 2014	Jun 24, 2014	0.093451
Jun 25, 2014	Jul 24, 2014	0.091264
Jul 25, 2014	Aug 22, 2014	0.079015
Aug 25, 2014	Sep 24, 2014	0.078009
Sep 25, 2014	Oct 24, 2014	0.075443
Oct 27, 2014	Nov 24, 2014	0.073336
Nov 25, 2014	Dec 24, 2014	0.068424
Dec 26, 2014	Jan 23, 2015	0.065384
Jan 26, 2015	Feb 24, 2015	0.062684
Feb 25, 2015	Mar 24, 2015	0.059071
Mar 25, 2015	Apr 24, 2015	0.055960
Apr 27, 2015	May 22, 2015	0.055251
May 26, 2015	Jun 24, 2015	0.052580
Jun 25, 2015		0.051890
Jan 25, 2013 Feb 25, 2013 Mar 25, 2013 Apr 25, 2013 Jun 25, 2013 Jun 25, 2013 Jul 25, 2013 Aug 26, 2013 Sep 25, 2013 Oct 25, 2013 Dec 26, 2013 Jan 27, 2014 Feb 25, 2014 Mar 25, 2014 May 27, 2014 Jun 25, 2014 Jun 25, 2014 Jun 25, 2014 Jun 25, 2014 Sep 25, 2014 Aug 25, 2014 Jun 25, 2014 Sep 25, 2014 Sep 25, 2014 Aug 25, 2014 Sep 25, 2014 Dec 26, 2015 Feb 25, 2015 Mar 25, 2015 Mar 27, 2015 May 26, 2015	Feb 22, 2013 Mar 22, 2013 Apr 24, 2013 May 24, 2013 Jun 24, 2013 Jul 24, 2013 Aug 23, 2013 Sep 24, 2013 Oct 24, 2013 Dec 24, 2013 Jan 24, 2014 Feb 24, 2014 Mar 24, 2014 May 23, 2014 Jun 24, 2014 Jul 24, 2014 Aug 22, 2014 Sep 24, 2014 Aug 22, 2014 Sep 24, 2014 Nov 24, 2014 Dec 24, 2014 Dec 24, 2014 Nov 24, 2014 Aug 22, 2014 Sep 24, 2015 Mar 24, 2015 Mar 24, 2015 May 22, 2015	0.159213 0.153264 0.151906 0.147865 0.146607 0.138407 0.128372 0.120424 0.119378 0.111648 0.107727 0.103587 0.102663 0.101885 0.099565 0.098472 0.093451 0.091264 0.079015 0.078009 0.075443 0.073336 0.068424 0.065384 0.062684 0.059071 0.055960 0.055251 0.052580

2A4 Certificate Factor Chart

From	То	Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.968962
Sep 25, 2007	Oct 24, 2007	0.964977
Oct 25, 2007	Nov 23, 2007	0.960884
Nov 26, 2007	Dec 24, 2007	0.955473
Dec 26, 2007	Jan 24, 2008	0.944343
Jan 25, 2008	Feb 22, 2008	0.940151
Feb 25, 2008	Mar 24, 2008	0.935474
Mar 25, 2008	Apr 24, 2008	0.926277
Apr 25, 2008	May 23, 2008	0.921893
May 27, 2008	Jun 24, 2008	0.908198
Jun 25, 2008	Jul 24, 2008	0.887633
Jul 25, 2008	Aug 22, 2008	0.883443
Aug 25, 2008	Sep 24, 2008	0.867643
Sep 25, 2008	Oct 24, 2008	0.859715
Oct 27, 2008	Nov 24, 2008	0.852233
Nov 25, 2008	Dec 24, 2008	0.849881
Dec 26, 2008	Jan 23, 2009	0.845149
Jan 26, 2009	Feb 24, 2009	0.815599
Feb 25, 2009	Mar 24, 2009	0.809104
Mar 25, 2009	Apr 24, 2009	0.792898
Apr 27, 2009	May 22, 2009	0.788074
May 26, 2009	Jun 24, 2009	0.780613
Jun 25, 2009	Jul 24, 2009	0.774445
Jul 27, 2009	Aug 24, 2009	0.764895
Aug 25, 2009	Sep 24, 2009	0.746739
Sep 25, 2009	Oct 23, 2009	0.743209
Oct 26, 2009	Nov 24, 2009	0.733232
Nov 25, 2009	Dec 24, 2009	0.725682
Dec 28, 2009	Jan 22, 2010	0.713939
Jan 25, 2010	Feb 24, 2010	0.704046
Feb 25, 2010	Mar 24, 2010	0.700210
Mar 25, 2010	Apr 23, 2010	0.696276
Apr 26, 2010	May 24, 2010	0.688010
May 25, 2010	Jun 24, 2010	0.660747
Jun 25, 2010	Jul 23, 2010	0.634415
Jul 26, 2010	Aug 24, 2010	0.627948
Aug 25, 2010	Sep 24, 2010	0.614946
Sep 27, 2010	Oct 22, 2010	0.610113
Oct 25, 2010	Nov 24, 2010	0.605672
Nov 26, 2010	Dec 23, 2010	0.600741
Dec 27, 2010	Jan 24, 2011	0.596304
Jan 25, 2011	Feb 24, 2011	0.592368
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.587891
Apr 25, 2011	May 24, 2011	0.543481
May 25, 2011	Jun 24, 2011	0.538349
Jun 27, 2011	Jul 22, 2011	0.532386
Jul 25, 2011	Aug 24, 2011	0.528777
Aug 25, 2011	Sep 23, 2011	0.514787
, 146 23, 2011	JCP 23, 2011	0.510937

2A4 Certificate Factor Chart

F		Footon
From Sep 26, 2011	<u>To</u> Oct 24, 2011	Factor 0.F04130
Oct 25, 2011	Nov 23, 2011	0.504139 0.496138
Nov 25, 2011	Dec 23, 2011	0.492561
Dec 27, 2011	Jan 24, 2012	0.480346
Jan 25, 2012	Feb 24, 2012	0.470255
Feb 27, 2012	Mar 23, 2012	0.460767
Mar 26, 2012	Apr 24, 2012	0.455142
Apr 25, 2012	May 24, 2012	0.449393
May 25, 2012	Jun 22, 2012	0.438051
Jun 25, 2012	Jul 24, 2012	0.424154
Jul 25, 2012	Aug 24, 2012	0.396915
Aug 27, 2012	Sep 24, 2012	0.342857
Sep 25, 2012	Oct 24, 2012	0.331990
Oct 25, 2012	Nov 23, 2012	0.327601
Nov 26, 2012	Dec 24, 2012	0.321750
Dec 26, 2012	Jan 24, 2013	0.305902
Jan 25, 2013	Feb 22, 2013	0.303439
Feb 25, 2013	Mar 22, 2013	0.283893
Mar 25, 2013	Apr 24, 2013	0.279588
Apr 25, 2013	May 24, 2013	0.277120
May 28, 2013	Jun 24, 2013	0.275506
Jun 25, 2013	Jul 24, 2013	0.268530
Jul 25, 2013	Aug 23, 2013	0.264253
Aug 26, 2013	Sep 24, 2013	0.245999
Sep 25, 2013	Oct 24, 2013	0.243877
Oct 25, 2013	Nov 22, 2013	0.223439
Nov 25, 2013	Dec 24, 2013	0.221679
Dec 26, 2013	Jan 24, 2014	0.219178
Jan 27, 2014	Feb 24, 2014	0.215651
Feb 25, 2014	Mar 24, 2014	0.215443
Mar 25, 2014	Apr 24, 2014	0.214847
Apr 25, 2014	May 23, 2014	0.209176
May 27, 2014	Jun 24, 2014	0.202814
Jun 25, 2014	Jul 24, 2014	0.201459
Jul 25, 2014	Aug 22, 2014	0.194083
Aug 25, 2014	Sep 24, 2014	0.192740
Sep 25, 2014 Oct 27, 2014	Oct 24, 2014 Nov 24, 2014	0.188222
Nov 25, 2014	Dec 24, 2014	0.186860
Dec 26, 2014	Jan 23, 2015	0.183058
Jan 26, 2015	Feb 24, 2015	0.181413
Feb 25, 2015	Mar 24, 2015	0.169175
Mar 25, 2015	Apr 24, 2015	0.165512
Apr 27, 2015	May 22, 2015	0.159496 0.158314
May 26, 2015	Jun 24, 2015	
Jun 25, 2015	,	0.140445 0.139271
-,		0.1332/1

AX Certificate Factor Chart

From	То	Factor
<u>e</u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995845
Sep 25, 2007	Oct 24, 2007	0.992181
Oct 25, 2007	Nov 23, 2007	0.988477
Nov 26, 2007	Dec 24, 2007	0.984902
Dec 26, 2007	Jan 24, 2008	0.968499
Jan 25, 2008	Feb 22, 2008	0.964428
Feb 25, 2008	Mar 24, 2008	0.959230
Mar 25, 2008	Apr 24, 2008	0.917332
Apr 25, 2008	May 23, 2008	0.913627
May 27, 2008	Jun 24, 2008	0.909864
Jun 25, 2008	Jul 24, 2008	0.906159
Jul 25, 2008	Aug 22, 2008	0.902335
Aug 25, 2008	Sep 24, 2008	0.898552
Sep 25, 2008	Oct 24, 2008	0.894761
Oct 27, 2008	Nov 24, 2008	0.890924
Nov 25, 2008	Dec 24, 2008	0.886963
Dec 26, 2008	Jan 23, 2009	0.883039
Jan 26, 2009	Feb 24, 2009	0.879184
Feb 25, 2009	Mar 24, 2009	0.874523
Mar 25, 2009	Apr 24, 2009	0.870042
Apr 27, 2009	May 22, 2009	0.865161
May 26, 2009	Jun 24, 2009	0.831974
Jun 25, 2009	Jul 24, 2009	0.828381
Jul 27, 2009	Aug 24, 2009	0.816133
Aug 25, 2009	Sep 24, 2009	0.810399
Sep 25, 2009	Oct 23, 2009	0.807898
Oct 26, 2009	Nov 24, 2009	0.804464
Nov 25, 2009	Dec 24, 2009	0.800672
Dec 28, 2009	Jan 22, 2010	0.796802
Jan 25, 2010	Feb 24, 2010	0.793010
Feb 25, 2010	Mar 24, 2010	0.789216
Mar 25, 2010	Apr 23, 2010	0.785393
Apr 26, 2010	May 24, 2010	0.774145
May 25, 2010	Jun 24, 2010	0.770217
Jun 25, 2010	Jul 23, 2010	0.715785
Jul 26, 2010	Aug 24, 2010	0.712106
Aug 25, 2010	Sep 24, 2010	0.708456
Sep 27, 2010	Oct 22, 2010	0.696388
Oct 25, 2010	Nov 24, 2010	0.692631
Nov 26, 2010	Dec 23, 2010	0.688923
Dec 27, 2010	Jan 24, 2011	0.685171
Jan 25, 2011	Feb 24, 2011	0.681456
Feb 25, 2011	Mar 24, 2011	0.677734
Mar 25, 2011	Apr 22, 2011	0.611068
Apr 25, 2011	May 24, 2011	0.607922
May 25, 2011	Jun 24, 2011	0.604408
Jun 27, 2011	Jul 22, 2011	0.602147
Jul 25, 2011	Aug 24, 2011	0.577427
Aug 25, 2011	Sep 23, 2011	0.573860

AX Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.565913
Oct 25, 2011	Nov 23, 2011	0.556927
Nov 25, 2011	Dec 23, 2011	0.553378
Dec 27, 2011	Jan 24, 2012	0.547687
Jan 25, 2012	Feb 24, 2012	0.539808
Feb 27, 2012	Mar 23, 2012	0.535442
Mar 26, 2012	Apr 24, 2012	0.531775
Apr 25, 2012	May 24, 2012	0.520650
May 25, 2012	Jun 22, 2012	0.501102
Jun 25, 2012	Jul 24, 2012	0.484656
Jul 25, 2012	Aug 24, 2012	0.477636
Aug 27, 2012	Sep 24, 2012	0.416498
Sep 25, 2012	Oct 24, 2012	0.415276
Oct 25, 2012	Nov 23, 2012	0.408812
Nov 26, 2012	Dec 24, 2012	0.406873
Dec 26, 2012	Jan 24, 2013	0.345075
Jan 25, 2013	Feb 22, 2013	0.343090
Feb 25, 2013	Mar 22, 2013	0.341112
Mar 25, 2013	Apr 24, 2013	0.336565
Apr 25, 2013	May 24, 2013	0.334573
May 28, 2013	Jun 24, 2013	0.332537
Jun 25, 2013	Jul 24, 2013	0.330467
Jul 25, 2013	Aug 23, 2013	0.328337
Aug 26, 2013	Sep 24, 2013	0.291182
Sep 25, 2013	Oct 24, 2013	0.289399
Oct 25, 2013	Nov 22, 2013	0.287605
Nov 25, 2013	Dec 24, 2013	0.285777
Dec 26, 2013	Jan 24, 2014	0.283963
Jan 27, 2014	Feb 24, 2014	0.277656
Feb 25, 2014	Mar 24, 2014	0.275878
Mar 25, 2014	Apr 24, 2014	0.274069
Apr 25, 2014	May 23, 2014	0.263192
May 27, 2014	Jun 24, 2014	0.261468
Jun 25, 2014	Jul 24, 2014	0.259733
Jul 25, 2014	Aug 22, 2014	0.257958
Aug 25, 2014	Sep 24, 2014	0.256204
Sep 25, 2014	Oct 24, 2014	0.223438
Oct 27, 2014	Nov 24, 2014	0.221664
Nov 25, 2014	Dec 24, 2014	0.219881
Dec 26, 2014	Jan 23, 2015	0.218087
Jan 26, 2015	Feb 24, 2015	0.216255
Feb 25, 2015	Mar 24, 2015	0.210876
Mar 25, 2015	Apr 24, 2015	0.208553
Apr 27, 2015	May 22, 2015	0.206706
May 26, 2015	Jun 24, 2015	0.204848
Jun 25, 2015		0.202979

AP Certificate Factor Chart

Erom	To	Factor
<u>From</u>	<u>To</u> Aug 24, 2007	<u>Factor</u> 1.000000
Aug 27, 2007	Sep 24, 2007	0.999237
Sep 25, 2007	Oct 24, 2007	0.998189
Oct 25, 2007	Nov 23, 2007	0.997081
Nov 26, 2007	Dec 24, 2007	0.995904
Dec 26, 2007	Jan 24, 2008	0.994590
Jan 25, 2008	Feb 22, 2008	0.992687
Feb 25, 2008	Mar 24, 2008	0.991707
Mar 25, 2008	Apr 24, 2008	0.990488
Apr 25, 2008	May 23, 2008	
May 27, 2008	Jun 24, 2008	0.988383 0.985600
Jun 25, 2008	Jul 24, 2008	0.911825
Jul 25, 2008	Aug 22, 2008	0.909300
Aug 25, 2008	Sep 24, 2008	0.906692
Sep 25, 2008	Oct 24, 2008	
Oct 27, 2008	Nov 24, 2008	0.902558
Nov 25, 2008	Dec 24, 2008	0.900680
Dec 26, 2008	Jan 23, 2009	0.899504
Jan 26, 2009	Feb 24, 2009	0.897351
Feb 25, 2009	Mar 24, 2009	0.896341
Mar 25, 2009	Apr 24, 2009	0.894879
Apr 27, 2009	May 22, 2009	0.891235
May 26, 2009	Jun 24, 2009	0.878976
Jun 25, 2009	Jul 24, 2009	0.877938
Jul 27, 2009	Aug 24, 2009	0.875670
Aug 25, 2009	Sep 24, 2009	0.872993
Sep 25, 2009	Oct 23, 2009	0.870184
Oct 26, 2009	Nov 24, 2009	0.867464 0.864917
Nov 25, 2009	Dec 24, 2009	0.862371
Dec 28, 2009	Jan 22, 2010	0.860432
Jan 25, 2010	Feb 24, 2010	0.857744
Feb 25, 2010	Mar 24, 2010	0.856495
Mar 25, 2010	Apr 23, 2010	0.854107
Apr 26, 2010	May 24, 2010	0.853242
May 25, 2010	Jun 24, 2010	0.850864
Jun 25, 2010	Jul 23, 2010	0.849968
Jul 26, 2010	Aug 24, 2010	0.848934
Aug 25, 2010	Sep 24, 2010	0.847460
Sep 27, 2010	Oct 22, 2010	0.844965
Oct 25, 2010	Nov 24, 2010	0.843970
Nov 26, 2010	Dec 23, 2010	0.842704
Dec 27, 2010	Jan 24, 2011	0.841750
Jan 25, 2011	Feb 24, 2011	0.839589
Feb 25, 2011	Mar 24, 2011	0.838566
Mar 25, 2011	Apr 22, 2011	0.836163
Apr 25, 2011	May 24, 2011	0.835140
May 25, 2011	Jun 24, 2011	0.760505
Jun 27, 2011	Jul 22, 2011	0.758272
Jul 25, 2011	Aug 24, 2011	0.756038
Aug 25, 2011	Sep 23, 2011	0.721829

AP Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.719549
Oct 25, 2011	Nov 23, 2011	0.717034
Nov 25, 2011	Dec 23, 2011	0.716517
Dec 27, 2011	Jan 24, 2012	0.714189
Jan 25, 2012	Feb 24, 2012	0.712554
Feb 27, 2012	Mar 23, 2012	0.711754
Mar 26, 2012	Apr 24, 2012	0.709501
Apr 25, 2012	May 24, 2012	0.708674
May 25, 2012	Jun 22, 2012	0.707626
Jun 25, 2012	Jul 24, 2012	0.706287
Jul 25, 2012	Aug 24, 2012	0.689437
Aug 27, 2012	Sep 24, 2012	0.680185
Sep 25, 2012	Oct 24, 2012	0.569832
Oct 25, 2012	Nov 23, 2012	0.569808
Nov 26, 2012	Dec 24, 2012	0.569198
Dec 26, 2012	Jan 24, 2013	0.568569
Jan 25, 2013	Feb 22, 2013	0.567924
Feb 25, 2013	Mar 22, 2013	0.567285
Mar 25, 2013	Apr 24, 2013	0.566707
Apr 25, 2013	May 24, 2013	0.544454
May 28, 2013	Jun 24, 2013	0.543974
Jun 25, 2013	Jul 24, 2013	0.543950
Jul 25, 2013	Aug 23, 2013	0.543291
Aug 26, 2013	Sep 24, 2013	0.479945
Sep 25, 2013	Oct 24, 2013	0.479497
Oct 25, 2013	Nov 22, 2013	0.479035
Nov 25, 2013	Dec 24, 2013	0.478583
Dec 26, 2013	Jan 24, 2014	0.478140
Jan 27, 2014	Feb 24, 2014	0.477034
Feb 25, 2014	Mar 24, 2014	0.476592
Mar 25, 2014	Apr 24, 2014	0.475453
Apr 25, 2014	May 23, 2014	0.474923
May 27, 2014	Jun 24, 2014	0.474477
Jun 25, 2014	Jul 24, 2014	0.474036
Jul 25, 2014	Aug 22, 2014	0.430736
Aug 25, 2014	Sep 24, 2014	0.430291
Sep 25, 2014	Oct 24, 2014	0.429839
Oct 27, 2014	Nov 24, 2014	0.429383
Nov 25, 2014	Dec 24, 2014	0.428934
Dec 26, 2014	Jan 23, 2015	0.428474
Jan 26, 2015	Feb 24, 2015	0.427993
Feb 25, 2015	Mar 24, 2015	0.427550
Mar 25, 2015	Apr 24, 2015	0.427149
Apr 27, 2015	May 22, 2015	0.426626
May 26, 2015	Jun 24, 2015	0.426175
Jun 25, 2015		0.425731

B1 Certificate Factor Chart

From	То	<u>Factor</u>
<u> </u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.999017
Sep 25, 2007	Oct 24, 2007	0.998021
Oct 25, 2007	Nov 23, 2007	0.996950
Nov 26, 2007	Dec 24, 2007	0.995940
Dec 26, 2007	Jan 24, 2008	0.994925
Jan 25, 2008	Feb 22, 2008	0.993900
Feb 25, 2008	Mar 24, 2008	0.992868
Mar 25, 2008	Apr 24, 2008	0.991826
Apr 25, 2008	May 23, 2008	0.990775
May 27, 2008	Jun 24, 2008	0.989714
Jun 25, 2008	Jul 24, 2008	0.988650
Jul 25, 2008	Aug 22, 2008	0.987577
Aug 25, 2008	Sep 24, 2008	0.986497
Sep 25, 2008	Oct 24, 2008	0.985410
Oct 27, 2008	Nov 24, 2008	0.984314
Nov 25, 2008	Dec 24, 2008	0.983212
Dec 26, 2008	Jan 23, 2009	0.982102
Jan 26, 2009	Feb 24, 2009	0.980977
Feb 25, 2009	Mar 24, 2009	0.979839
Mar 25, 2009	Apr 24, 2009	0.978693
Apr 27, 2009	May 22, 2009	0.977541
May 26, 2009	Jun 24, 2009	0.976381
Jun 25, 2009	Jul 24, 2009	0.975213
Jul 27, 2009	Aug 24, 2009	0.974028
Aug 25, 2009	Sep 24, 2009	0.972819
Sep 25, 2009	Oct 23, 2009	0.971616
Oct 26, 2009	Nov 24, 2009	0.970384
Nov 25, 2009	Dec 24, 2009	0.969131
Dec 28, 2009	Jan 22, 2010	0.967859
Jan 25, 2010	Feb 24, 2010	0.966567
Feb 25, 2010	Mar 24, 2010	0.965241
Mar 25, 2010	Apr 23, 2010	0.963887
Apr 26, 2010	May 24, 2010	0.962859
May 25, 2010	Jun 24, 2010	0.962859
Jun 25, 2010	Jul 23, 2010	0.962859
Jul 26, 2010	Aug 24, 2010	0.962859
Aug 25, 2010	Sep 24, 2010	0.962859
Sep 27, 2010 Oct 25, 2010	Oct 22, 2010 Nov 24, 2010	0.962859
Nov 26, 2010	Dec 23, 2010	0.962859
Dec 27, 2010	Jan 24, 2011	0.903609
Jan 25, 2011	Feb 24, 2011	0.879928
Feb 25, 2011	Mar 24, 2011	0.792755 0.730164
Mar 25, 2011	Apr 22, 2011	0.730164
Apr 25, 2011	May 24, 2011	0.633911
May 25, 2011	Jun 24, 2011	0.587181
Jun 27, 2011	Jul 22, 2011	0.500773
Jul 25, 2011	Aug 24, 2011	0.390818
Aug 25, 2011	Sep 23, 2011	0.310973

B1 Certificate Factor Chart

From	То	Easter
Sep 26, 2011	Oct 24, 2011	<u>Factor</u> 0.206177
Oct 25, 2011	Nov 23, 2011	0.176231
Nov 25, 2011	Dec 23, 2011	0.135027
Dec 27, 2011	Jan 24, 2012	0.063691
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013 Sep 25, 2013	Sep 24, 2013 Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

B2 Certificate Factor Chart

From	То	Factor
<u>e</u>	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.999017
Sep 25, 2007	Oct 24, 2007	0.998021
Oct 25, 2007	Nov 23, 2007	0.996950
Nov 26, 2007	Dec 24, 2007	0.995940
Dec 26, 2007	Jan 24, 2008	0.994925
Jan 25, 2008	Feb 22, 2008	0.993900
Feb 25, 2008	Mar 24, 2008	0.992868
Mar 25, 2008	Apr 24, 2008	0.991826
Apr 25, 2008	May 23, 2008	0.990775
May 27, 2008	Jun 24, 2008	0.989714
Jun 25, 2008	Jul 24, 2008	0.988650
Jul 25, 2008	Aug 22, 2008	0.987577
Aug 25, 2008	Sep 24, 2008	0.986497
Sep 25, 2008	Oct 24, 2008	0.985410
Oct 27, 2008	Nov 24, 2008	0.984314
Nov 25, 2008	Dec 24, 2008	0.983212
Dec 26, 2008	Jan 23, 2009	0.982102
Jan 26, 2009	Feb 24, 2009	0.980977
Feb 25, 2009	Mar 24, 2009	0.979839
Mar 25, 2009	Apr 24, 2009	0.978693
Apr 27, 2009	May 22, 2009	0.977541
May 26, 2009	Jun 24, 2009	0.976381
Jun 25, 2009	Jul 24, 2009	0.975213
Jul 27, 2009	Aug 24, 2009	0.974028
Aug 25, 2009	Sep 24, 2009	0.972819
Sep 25, 2009	Oct 23, 2009	0.971616
Oct 26, 2009	Nov 24, 2009	0.970384
Nov 25, 2009	Dec 24, 2009	0.969131
Dec 28, 2009	Jan 22, 2010	0.967859
Jan 25, 2010	Feb 24, 2010	0.966567
Feb 25, 2010	Mar 24, 2010	0.965241
Mar 25, 2010	Apr 23, 2010	0.964145
Apr 26, 2010	May 24, 2010	0.963117
May 25, 2010	Jun 24, 2010	0.879711
Jun 25, 2010	Jul 23, 2010	0.717341
Jul 26, 2010	Aug 24, 2010	0.478361
Aug 25, 2010	Sep 24, 2010	0.250724
Sep 27, 2010	Oct 22, 2010	0.126808
Oct 25, 2010	Nov 24, 2010	0.000037
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011 Feb 25, 2011	Feb 24, 2011	0.000000
Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Aug 25, 2011	Sep 23, 2011	0.000000
, 146 23, 2011	JCP 23, 2011	0.000000

B2 Certificate Factor Chart

Fram	To	Fastor
From Sep 26, 2011	<u>To</u> Oct 24, 2011	<u>Factor</u> 0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013 Dec 26, 2013	Dec 24, 2013 Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

B3 Certificate Factor Chart

From	То	<u>Factor</u>
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.999017
Sep 25, 2007	Oct 24, 2007	0.998021
Oct 25, 2007	Nov 23, 2007	0.996950
Nov 26, 2007	Dec 24, 2007	0.995940
Dec 26, 2007	Jan 24, 2008	0.994925
Jan 25, 2008	Feb 22, 2008	0.993900
Feb 25, 2008	Mar 24, 2008	0.992868
Mar 25, 2008	Apr 24, 2008	0.991826
Apr 25, 2008	May 23, 2008	0.990775
May 27, 2008	Jun 24, 2008	0.989714
Jun 25, 2008	Jul 24, 2008	0.988650
Jul 25, 2008	Aug 22, 2008	0.987577
Aug 25, 2008	Sep 24, 2008	0.986497
Sep 25, 2008	Oct 24, 2008	0.985410
Oct 27, 2008	Nov 24, 2008	0.984314
Nov 25, 2008	Dec 24, 2008	0.983212
Dec 26, 2008	Jan 23, 2009	0.982102
Jan 26, 2009	Feb 24, 2009	0.980977
Feb 25, 2009	Mar 24, 2009	0.979839
Mar 25, 2009	Apr 24, 2009	0.978693
Apr 27, 2009	May 22, 2009	0.977541
May 26, 2009	Jun 24, 2009	0.976381
Jun 25, 2009	Jul 24, 2009	0.975213
Jul 27, 2009	Aug 24, 2009	0.974028
Aug 25, 2009	Sep 24, 2009	0.972819
Sep 25, 2009	Oct 23, 2009	0.971616
Oct 26, 2009	Nov 24, 2009	0.970384
Nov 25, 2009	Dec 24, 2009	0.969131
Dec 28, 2009	Jan 22, 2010	0.969131
Jan 25, 2010	Feb 24, 2010	0.676861
Feb 25, 2010	Mar 24, 2010	0.467963
Mar 25, 2010	Apr 23, 2010	0.387031
Apr 26, 2010	May 24, 2010	0.081633
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010 Jan 25, 2011	Jan 24, 2011 Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Aug 25, 2011	Sep 23, 2011	0.000000
		0.000000

B3 Certificate Factor Chart

From	То	<u>Factor</u>
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

TABLE C

11A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997234
Jul 25, 2007	Aug 24, 2007	0.987959
Aug 27, 2007	Sep 24, 2007	0.979387
Sep 25, 2007	Oct 24, 2007	0.966980
Oct 25, 2007	Nov 23, 2007	0.955784
Nov 26, 2007	Dec 24, 2007	0.947170
Dec 26, 2007	Jan 24, 2008	0.938462
Jan 25, 2008	Feb 22, 2008	0.931339
Feb 25, 2008	Mar 24, 2008	0.926710
Mar 25, 2008	Apr 24, 2008	0.916833
Apr 25, 2008	May 23, 2008	0.906457
May 27, 2008	Jun 24, 2008	
Jun 25, 2008	Jul 24, 2008	0.896629 0.888296
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	0.883904
Sep 25, 2008	Oct 24, 2008	0.872204
Oct 27, 2008	Nov 24, 2008	0.863858
Nov 25, 2008	Dec 24, 2008	0.855944
Dec 26, 2008	Jan 23, 2009	0.845463
Jan 26, 2009	Feb 24, 2009	0.839605
	Mar 24, 2009	0.828058
Feb 25, 2009		0.823727
Mar 25, 2009	Apr 24, 2009	0.811876
Apr 27, 2009	May 22, 2009	0.805758
May 26, 2009	Jun 24, 2009	0.796839
Jun 25, 2009	Jul 24, 2009	0.785206
Jul 27, 2009	Aug 24, 2009	0.767043
Aug 25, 2009	Sep 24, 2009	0.756116
Sep 25, 2009	Oct 23, 2009	0.749145
Oct 26, 2009	Nov 24, 2009	0.740185
Nov 25, 2009	Dec 24, 2009	0.730033
Dec 28, 2009	Jan 22, 2010	0.721350
Jan 25, 2010	Feb 24, 2010	0.714780
Feb 25, 2010	Mar 24, 2010	0.708965
Mar 25, 2010	Apr 23, 2010	0.703796
Apr 26, 2010	May 24, 2010	0.691826
May 25, 2010	Jun 24, 2010	0.687611
Jun 25, 2010	Jul 23, 2010	0.679431
Jul 26, 2010	Aug 24, 2010	0.668923
Aug 25, 2010	Sep 24, 2010	0.663012
Sep 27, 2010	Oct 22, 2010	0.654386
Oct 25, 2010	Nov 24, 2010	0.647043
Nov 26, 2010	Dec 23, 2010	0.638323
Dec 27, 2010	Jan 24, 2011	0.631310
Jan 25, 2011	Feb 24, 2011	0.629147
Feb 25, 2011	Mar 24, 2011	0.623638
Mar 25, 2011	Apr 22, 2011	0.616446
Apr 25, 2011	May 24, 2011	0.612389
May 25, 2011	Jun 24, 2011	0.610412
Jun 27, 2011	Jul 22, 2011	0.601717
Jul 25, 2011	Aug 24, 2011	0.596347

11A1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	0.589356
Sep 26, 2011	Oct 24, 2011	0.585220
Oct 25, 2011	Nov 23, 2011	0.583787
Nov 25, 2011	Dec 23, 2011	0.579394
Dec 27, 2011	Jan 24, 2012	0.577426
Jan 25, 2012	Feb 24, 2012	0.572238
Feb 27, 2012	Mar 23, 2012	0.570715
Mar 26, 2012	Apr 24, 2012	0.566167
Apr 25, 2012	May 24, 2012	0.565738
May 25, 2012	Jun 22, 2012	0.563310
Jun 25, 2012	Jul 24, 2012	0.558113
Jul 25, 2012	Aug 24, 2012	0.553594
Aug 27, 2012	Sep 24, 2012	0.549394
Sep 25, 2012	Oct 24, 2012	0.547094
Oct 25, 2012	Nov 23, 2012	0.543951
Nov 26, 2012	Dec 24, 2012	0.540885
Dec 26, 2012	Jan 24, 2013	0.535063
Jan 25, 2013	Feb 22, 2013	0.531227
Feb 25, 2013	Mar 22, 2013	0.527889
Mar 25, 2013	Apr 24, 2013	0.525366
Apr 25, 2013	May 24, 2013	0.521927
May 28, 2013	Jun 24, 2013	0.517341
Jun 25, 2013	Jul 24, 2013	0.513668
Jul 25, 2013	Aug 23, 2013	0.510302
Aug 26, 2013	Sep 24, 2013	0.506566
Sep 25, 2013	Oct 24, 2013	0.504470
Oct 25, 2013	Nov 22, 2013	0.503232
Nov 25, 2013	Dec 24, 2013	0.501031
Dec 26, 2013	Jan 24, 2014	0.497553
Jan 27, 2014	Feb 24, 2014	0.494813
Feb 25, 2014	Mar 24, 2014	0.492641
Mar 25, 2014	Apr 24, 2014	0.489161
Apr 25, 2014	May 23, 2014	0.485745
May 27, 2014	Jun 24, 2014	0.480180
Jun 25, 2014	Jul 24, 2014	0.476723
Jul 25, 2014	Aug 22, 2014	0.473311
Aug 25, 2014	Sep 24, 2014	0.472288
Sep 25, 2014	Oct 24, 2014	0.471264
Oct 27, 2014	Nov 24, 2014	0.469540
Nov 25, 2014	Dec 24, 2014	0.468697
Dec 26, 2014	Jan 23, 2015	0.466972
Jan 26, 2015	Feb 24, 2015	0.465132
Feb 25, 2015	Mar 24, 2015	0.461998
Mar 25, 2015	Apr 24, 2015	0.460907
Apr 27, 2015	May 22, 2015	0.459850
May 26, 2015	Jun 24, 2015	0.457714
Jun 25, 2015		0.453173

11A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997234
Jul 25, 2007	Aug 24, 2007	0.987959
Aug 27, 2007	Sep 24, 2007	0.979387
Sep 25, 2007	Oct 24, 2007	0.979387
Oct 25, 2007	Nov 23, 2007	0.979387
Nov 26, 2007	Dec 24, 2007	0.979387
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	0.979387
Feb 25, 2008	Mar 24, 2008	0.979387
Mar 25, 2008	Apr 24, 2008	0.979387
Apr 25, 2008	May 23, 2008	0.979387
		0.979387
May 27, 2008	Jun 24, 2008	0.979387
Jun 25, 2008	Jul 24, 2008	0.979387
Jul 25, 2008	Aug 22, 2008	0.979387
Aug 25, 2008	Sep 24, 2008	0.979387
Sep 25, 2008	Oct 24, 2008	0.979387
Oct 27, 2008	Nov 24, 2008	0.979387
Nov 25, 2008	Dec 24, 2008	0.979387
Dec 26, 2008	Jan 23, 2009	0.979387
Jan 26, 2009	Feb 24, 2009	0.979387
Feb 25, 2009	Mar 24, 2009	0.979387
Mar 25, 2009	Apr 24, 2009	0.979387
Apr 27, 2009	May 22, 2009	0.979387
May 26, 2009	Jun 24, 2009	0.979387
Jun 25, 2009	Jul 24, 2009	0.979387
Jul 27, 2009	Aug 24, 2009	
Aug 25, 2009	Sep 24, 2009	0.979387
Sep 25, 2009	Oct 23, 2009	0.979387
Oct 26, 2009	Nov 24, 2009	0.979387
Nov 25, 2009	Dec 24, 2009	0.979387
Dec 28, 2009	Jan 22, 2010	
Jan 25, 2010	Feb 24, 2010	0.979387
Feb 25, 2010	Mar 24, 2010	0.979387
Mar 25, 2010	Apr 23, 2010	0.979387
Apr 26, 2010	May 24, 2010	0.979387
May 25, 2010	Jun 24, 2010	0.979387
Jun 25, 2010	Jul 23, 2010	0.979387
Jul 26, 2010	Aug 24, 2010	0.979387
Aug 25, 2010	Sep 24, 2010	0.979387
Sep 27, 2010	Oct 22, 2010	0.979387
Oct 25, 2010	Nov 24, 2010	0.979387
Nov 26, 2010	Dec 23, 2010	0.979387
Dec 27, 2010	Jan 24, 2011	0.979387
Jan 25, 2011	Feb 24, 2011	0.979387
Feb 25, 2011	Mar 24, 2011	0.979387
Mar 25, 2011	Apr 22, 2011	0.979387
Apr 25, 2011	May 24, 2011	0.979387
May 25, 2011	•	0.979387
	Jun 24, 2011	0.979387
Jun 27, 2011	Jul 22, 2011	0.979387
Jul 25, 2011	Aug 24, 2011	0.979387

11A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	0.979387
Sep 26, 2011	Oct 24, 2011	0.979387
Oct 25, 2011	Nov 23, 2011	0.979387
Nov 25, 2011	Dec 23, 2011	0.979387
Dec 27, 2011	Jan 24, 2012	0.979387
Jan 25, 2012	Feb 24, 2012	0.979387
Feb 27, 2012	Mar 23, 2012	0.979387
Mar 26, 2012	Apr 24, 2012	0.979387
Apr 25, 2012	May 24, 2012	0.979387
May 25, 2012	Jun 22, 2012	0.979387
Jun 25, 2012	Jul 24, 2012	0.979387
Jul 25, 2012	Aug 24, 2012	0.979387
Aug 27, 2012	Sep 24, 2012	0.979387
Sep 25, 2012	Oct 24, 2012	0.979387
Oct 25, 2012	Nov 23, 2012	0.979387
Nov 26, 2012	Dec 24, 2012	0.979387
Dec 26, 2012	Jan 24, 2013	0.979387
Jan 25, 2013	Feb 22, 2013	0.979387
Feb 25, 2013	Mar 22, 2013	0.979387
Mar 25, 2013	Apr 24, 2013	0.979387
Apr 25, 2013	May 24, 2013	0.979387
May 28, 2013	Jun 24, 2013	0.979387
Jun 25, 2013	Jul 24, 2013	0.979387
Jul 25, 2013	Aug 23, 2013	0.979387
Aug 26, 2013	Sep 24, 2013	0.979387
Sep 25, 2013	Oct 24, 2013	0.979387
Oct 25, 2013	Nov 22, 2013	0.979387
Nov 25, 2013	Dec 24, 2013	0.979387
Dec 26, 2013	Jan 24, 2014	0.979387
Jan 27, 2014	Feb 24, 2014	0.979387
Feb 25, 2014	Mar 24, 2014	0.979387
Mar 25, 2014	Apr 24, 2014	0.979387
Apr 25, 2014	May 23, 2014	0.979387
May 27, 2014	Jun 24, 2014	0.979387
Jun 25, 2014	Jul 24, 2014	0.979387
Jul 25, 2014	Aug 22, 2014	0.979387
Aug 25, 2014	Sep 24, 2014	0.979387
Sep 25, 2014	Oct 24, 2014	0.979387
Oct 27, 2014	Nov 24, 2014	0.979387
Nov 25, 2014	Dec 24, 2014	0.979387
Dec 26, 2014	Jan 23, 2015	0.979387
Jan 26, 2015	Feb 24, 2015	0.979387
Feb 25, 2015	Mar 24, 2015	0.979387
Mar 25, 2015	Apr 24, 2015	0.979387
Apr 27, 2015	May 22, 2015	0.979387
May 26, 2015	Jun 24, 2015	0.979387
Jun 25, 2015		0.979387

12A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.995037
Jul 25, 2007	Aug 24, 2007	0.983257
Aug 27, 2007	Sep 24, 2007	0.966062
Sep 25, 2007	Oct 24, 2007	0.951661
Oct 25, 2007	Nov 23, 2007	0.941552
Nov 26, 2007	Dec 24, 2007	0.931877
Dec 26, 2007	Jan 24, 2008	0.927293
Jan 25, 2008	Feb 22, 2008	0.919582
Feb 25, 2008	Mar 24, 2008	0.912266
Mar 25, 2008	Apr 24, 2008	0.899757
Apr 25, 2008	May 23, 2008	0.893150
May 27, 2008	Jun 24, 2008	0.877893
Jun 25, 2008	Jul 24, 2008	0.865307
Jul 25, 2008	Aug 22, 2008	0.854203
Aug 25, 2008	Sep 24, 2008	0.845919
Sep 25, 2008	Oct 24, 2008	0.835559
Oct 27, 2008	Nov 24, 2008	0.822822
Nov 25, 2008	Dec 24, 2008	0.812813
Dec 26, 2008	Jan 23, 2009	0.796847
Jan 26, 2009	Feb 24, 2009	0.785154
Feb 25, 2009	Mar 24, 2009	0.774606
Mar 25, 2009	Apr 24, 2009	0.763032
Apr 27, 2009	May 22, 2009	
May 26, 2009	Jun 24, 2009	0.752864
Jun 25, 2009	Jul 24, 2009	0.742761 0.729976
Jul 27, 2009	Aug 24, 2009	
Aug 25, 2009	Sep 24, 2009	0.715864 0.704797
Sep 25, 2009	Oct 23, 2009	0.685031
Oct 26, 2009	Nov 24, 2009	0.675100
Nov 25, 2009	Dec 24, 2009	0.671066
Dec 28, 2009	Jan 22, 2010	0.664200
Jan 25, 2010	Feb 24, 2010	0.654015
Feb 25, 2010	Mar 24, 2010	0.647624
Mar 25, 2010	Apr 23, 2010	0.636346
Apr 26, 2010	May 24, 2010	0.631448
May 25, 2010	Jun 24, 2010	0.622785
Jun 25, 2010	Jul 23, 2010	0.617618
Jul 26, 2010	Aug 24, 2010	0.610078
Aug 25, 2010	Sep 24, 2010	0.604551
Sep 27, 2010	Oct 22, 2010	0.601822
Oct 25, 2010	Nov 24, 2010	0.594073
Nov 26, 2010	Dec 23, 2010	0.582654
Dec 27, 2010	Jan 24, 2011	0.577438
Jan 25, 2011	Feb 24, 2011	0.570356
Feb 25, 2011	Mar 24, 2011	0.566098
Mar 25, 2011	Apr 22, 2011	0.556964
Apr 25, 2011	May 24, 2011	0.549700
May 25, 2011	Jun 24, 2011	0.541657
Jun 27, 2011	Jul 22, 2011	0.541657
Jul 25, 2011	Aug 24, 2011	0.529623

12A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	0.524599
Sep 26, 2011	Oct 24, 2011	0.519400
Oct 25, 2011	Nov 23, 2011	0.511395
Nov 25, 2011	Dec 23, 2011	0.507737
Dec 27, 2011	Jan 24, 2012	0.501447
Jan 25, 2012	Feb 24, 2012	0.500291
Feb 27, 2012	Mar 23, 2012	0.494902
Mar 26, 2012	Apr 24, 2012	0.492372
Apr 25, 2012	May 24, 2012	0.487493
May 25, 2012	Jun 22, 2012	0.482536
Jun 25, 2012	Jul 24, 2012	0.476767
Jul 25, 2012	Aug 24, 2012	0.474027
Aug 27, 2012	Sep 24, 2012	0.468778
Sep 25, 2012	Oct 24, 2012	0.463233
Oct 25, 2012	Nov 23, 2012	0.458456
Nov 26, 2012	Dec 24, 2012	0.452757
Dec 26, 2012	Jan 24, 2013	0.446736
Jan 25, 2013	Feb 22, 2013	0.442414
Feb 25, 2013	Mar 22, 2013	0.436427
Mar 25, 2013	Apr 24, 2013	0.433091
Apr 25, 2013	May 24, 2013	0.429364
May 28, 2013	Jun 24, 2013	0.423539
Jun 25, 2013	Jul 24, 2013	0.420257
Jul 25, 2013	Aug 23, 2013	0.414693
Aug 26, 2013	Sep 24, 2013	0.409505
Sep 25, 2013	Oct 24, 2013	0.404982
Oct 25, 2013	Nov 22, 2013	0.400015
Nov 25, 2013	Dec 24, 2013	0.393464
Dec 26, 2013	Jan 24, 2014	0.390296
Jan 27, 2014	Feb 24, 2014	0.384665
Feb 25, 2014	Mar 24, 2014	0.381979
Mar 25, 2014	Apr 24, 2014	0.378889
Apr 25, 2014	May 23, 2014	0.377676
May 27, 2014	Jun 24, 2014	0.375617
Jun 25, 2014	Jul 24, 2014	0.374514
Jul 25, 2014	Aug 22, 2014	0.374384
Aug 25, 2014	Sep 24, 2014	0.371754
Sep 25, 2014	Oct 24, 2014	0.367807
Oct 27, 2014	Nov 24, 2014	0.364661
Nov 25, 2014	Dec 24, 2014	0.362771
Dec 26, 2014	Jan 23, 2015	0.361910
Jan 26, 2015	Feb 24, 2015	0.360702
Feb 25, 2015	Mar 24, 2015	0.359730
Mar 25, 2015	Apr 24, 2015	0.357980
Apr 27, 2015	May 22, 2015	0.356338
May 26, 2015	Jun 24, 2015	0.355732
Jun 25, 2015		0.353842

12A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.991529
Jul 25, 2007	Aug 24, 2007	0.971426
Aug 27, 2007	Sep 24, 2007	0.942080
Sep 25, 2007	Oct 24, 2007	0.917502
Oct 25, 2007	Nov 23, 2007	0.900249
Nov 26, 2007	Dec 24, 2007	0.883737
Dec 26, 2007	Jan 24, 2008	0.875914
Jan 25, 2008	Feb 22, 2008	0.862754
Feb 25, 2008	Mar 24, 2008	0.850267
Mar 25, 2008	Apr 24, 2008	0.828919
Apr 25, 2008	May 23, 2008	0.817644
May 27, 2008	Jun 24, 2008	
Jun 25, 2008	Jul 24, 2008	0.791604 0.770125
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	0.751174
Sep 25, 2008	Oct 24, 2008	0.737035
Oct 27, 2008	Nov 24, 2008	0.719355
Nov 25, 2008	Dec 24, 2008	0.697618
Dec 26, 2008	Jan 23, 2009	0.680535
Jan 26, 2009	Feb 24, 2009	0.653287
	Mar 24, 2009	0.633331
Feb 25, 2009		0.615329
Mar 25, 2009	Apr 24, 2009	0.595577
Apr 27, 2009	May 22, 2009	0.578222
May 26, 2009	Jun 24, 2009	0.560980
Jun 25, 2009	Jul 24, 2009	0.539161
Jul 27, 2009	Aug 24, 2009	0.515076
Aug 25, 2009	Sep 24, 2009	0.496189
Sep 25, 2009	Oct 23, 2009	0.462456
Oct 26, 2009	Nov 24, 2009	0.445506
Nov 25, 2009	Dec 24, 2009	0.438621
Dec 28, 2009	Jan 22, 2010	0.426904
Jan 25, 2010	Feb 24, 2010	0.409520
Feb 25, 2010	Mar 24, 2010	0.398614
Mar 25, 2010	Apr 23, 2010	0.379366
Apr 26, 2010	May 24, 2010	0.371007
May 25, 2010	Jun 24, 2010	0.356222
Jun 25, 2010	Jul 23, 2010	0.347404
Jul 26, 2010	Aug 24, 2010	0.334536
Aug 25, 2010	Sep 24, 2010	0.325103
Sep 27, 2010	Oct 22, 2010	0.320445
Oct 25, 2010	Nov 24, 2010	0.307221
Nov 26, 2010	Dec 23, 2010	0.287732
Dec 27, 2010	Jan 24, 2011	0.278830
Jan 25, 2011	Feb 24, 2011	0.266744
Feb 25, 2011	Mar 24, 2011	0.259476
Mar 25, 2011	Apr 22, 2011	0.243888
Apr 25, 2011	May 24, 2011	0.231491
May 25, 2011	Jun 24, 2011	0.217765
Jun 27, 2011	Jul 22, 2011	0.217765
Jul 25, 2011	Aug 24, 2011	0.197227

12A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	0.188652
Sep 26, 2011	Oct 24, 2011	0.179780
Oct 25, 2011	Nov 23, 2011	0.166118
Nov 25, 2011	Dec 23, 2011	0.159874
Dec 27, 2011	Jan 24, 2012	0.149140
Jan 25, 2012	Feb 24, 2012	0.147166
Feb 27, 2012	Mar 23, 2012	0.137969
Mar 26, 2012	Apr 24, 2012	0.133651
Apr 25, 2012	May 24, 2012	0.125325
May 25, 2012	Jun 22, 2012	0.116865
Jun 25, 2012	Jul 24, 2012	0.107019
Jul 25, 2012	Aug 24, 2012	0.102342
Aug 27, 2012	Sep 24, 2012	0.093385
Sep 25, 2012	Oct 24, 2012	0.083921
Oct 25, 2012	Nov 23, 2012	0.075769
Nov 26, 2012	Dec 24, 2012	0.066042
Dec 26, 2012	Jan 24, 2013	0.055766
Jan 25, 2013	Feb 22, 2013	0.048389
Feb 25, 2013	Mar 22, 2013	0.038173
Mar 25, 2013	Apr 24, 2013	0.032479
Apr 25, 2013	May 24, 2013	0.026119
May 28, 2013	Jun 24, 2013	0.016178
Jun 25, 2013	Jul 24, 2013	0.010575
Jul 25, 2013	Aug 23, 2013	0.001080
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

12A3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	
Aug 25, 2009	Sep 24, 2009	1.000000 1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

12A3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	0.975569
Sep 25, 2013	Oct 24, 2013	0.951318
Oct 25, 2013	Nov 22, 2013	0.924681
Nov 25, 2013	Dec 24, 2013	0.889550
Dec 26, 2013	Jan 24, 2014	0.872562
Jan 27, 2014	Feb 24, 2014	0.842363
Feb 25, 2014	Mar 24, 2014	0.827962
Mar 25, 2014	Apr 24, 2014	0.811387
Apr 25, 2014	May 23, 2014	0.804885
May 27, 2014	Jun 24, 2014	0.793840
Jun 25, 2014	Jul 24, 2014	0.787930
Jul 25, 2014	Aug 22, 2014	0.787229
Aug 25, 2014	Sep 24, 2014	0.773129
Sep 25, 2014	Oct 24, 2014	0.751962
Oct 27, 2014	Nov 24, 2014	0.735090
Nov 25, 2014	Dec 24, 2014	0.724953
Dec 26, 2014	Jan 23, 2015	0.720335
Jan 26, 2015	Feb 24, 2015	0.713861
Feb 25, 2015	Mar 24, 2015	0.708649
Mar 25, 2015	Apr 24, 2015	0.699260
Apr 27, 2015	May 22, 2015	0.690456
May 26, 2015	Jun 24, 2015	0.687205
Jun 25, 2015		0.677071

12A4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
	-	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

12A4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

12A5 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.995037
Jul 25, 2007	Aug 24, 2007	0.983257
Aug 27, 2007	Sep 24, 2007	0.966062
Sep 25, 2007	Oct 24, 2007	0.951661
Oct 25, 2007	Nov 23, 2007	0.941552
Nov 26, 2007	Dec 24, 2007	0.931877
Dec 26, 2007	Jan 24, 2008	0.927293
Jan 25, 2008	Feb 22, 2008	0.919582
Feb 25, 2008	Mar 24, 2008	0.912266
Mar 25, 2008	Apr 24, 2008	0.899757
Apr 25, 2008	May 23, 2008	0.893150
May 27, 2008	Jun 24, 2008	0.877893
Jun 25, 2008	Jul 24, 2008	0.865307
Jul 25, 2008	Aug 22, 2008	0.854203
Aug 25, 2008	Sep 24, 2008	0.845919
Sep 25, 2008	Oct 24, 2008	0.835559
Oct 27, 2008	Nov 24, 2008	0.822822
Nov 25, 2008	Dec 24, 2008	0.812813
Dec 26, 2008	Jan 23, 2009	0.796847
Jan 26, 2009	Feb 24, 2009	0.785154
Feb 25, 2009	Mar 24, 2009	0.774606
Mar 25, 2009	Apr 24, 2009	0.763032
Apr 27, 2009	May 22, 2009	
May 26, 2009	Jun 24, 2009	0.752864
Jun 25, 2009	Jul 24, 2009	0.742761 0.729976
Jul 27, 2009	Aug 24, 2009	
Aug 25, 2009	Sep 24, 2009	0.715864 0.704797
Sep 25, 2009	Oct 23, 2009	0.685031
Oct 26, 2009	Nov 24, 2009	0.675100
Nov 25, 2009	Dec 24, 2009	0.671066
Dec 28, 2009	Jan 22, 2010	0.664200
Jan 25, 2010	Feb 24, 2010	0.654015
Feb 25, 2010	Mar 24, 2010	0.647624
Mar 25, 2010	Apr 23, 2010	0.636346
Apr 26, 2010	May 24, 2010	0.631448
May 25, 2010	Jun 24, 2010	0.622785
Jun 25, 2010	Jul 23, 2010	0.617618
Jul 26, 2010	Aug 24, 2010	0.610078
Aug 25, 2010	Sep 24, 2010	0.604551
Sep 27, 2010	Oct 22, 2010	0.601822
Oct 25, 2010	Nov 24, 2010	0.594073
Nov 26, 2010	Dec 23, 2010	0.582654
Dec 27, 2010	Jan 24, 2011	0.577438
Jan 25, 2011	Feb 24, 2011	0.570356
Feb 25, 2011	Mar 24, 2011	0.566098
Mar 25, 2011	Apr 22, 2011	0.556964
Apr 25, 2011	May 24, 2011	0.549700
May 25, 2011	Jun 24, 2011	0.541657
Jun 27, 2011	Jul 22, 2011	0.541657
Jul 25, 2011	Aug 24, 2011	0.529623

12A5 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	0.524599
Sep 26, 2011	Oct 24, 2011	0.519400
Oct 25, 2011	Nov 23, 2011	0.511395
Nov 25, 2011	Dec 23, 2011	0.507737
Dec 27, 2011	Jan 24, 2012	0.501447
Jan 25, 2012	Feb 24, 2012	0.500291
Feb 27, 2012	Mar 23, 2012	0.494902
Mar 26, 2012	Apr 24, 2012	0.494902
Apr 25, 2012	May 24, 2012	0.494902
May 25, 2012	Jun 22, 2012	0.494902
Jun 25, 2012	Jul 24, 2012	0.494902
Jul 25, 2012	Aug 24, 2012	0.494902
Aug 27, 2012	Sep 24, 2012	0.494902
Sep 25, 2012	Oct 24, 2012	0.494902
Oct 25, 2012	Nov 23, 2012	0.494902
Nov 26, 2012	Dec 24, 2012	0.494902
Dec 26, 2012	Jan 24, 2013	0.494902
Jan 25, 2013	Feb 22, 2013	0.494902
Feb 25, 2013	Mar 22, 2013	0.494902
Mar 25, 2013	Apr 24, 2013	0.494902
Apr 25, 2013	May 24, 2013	0.494902
May 28, 2013	Jun 24, 2013	0.494902
Jun 25, 2013	Jul 24, 2013	0.494902
Jul 25, 2013	Aug 23, 2013	0.494902
Aug 26, 2013	Sep 24, 2013	0.494902
Sep 25, 2013	Oct 24, 2013	0.494902
Oct 25, 2013	Nov 22, 2013	0.494902
Nov 25, 2013	Dec 24, 2013	0.494902
Dec 26, 2013	Jan 24, 2014	0.494902
Jan 27, 2014	Feb 24, 2014	0.494902
Feb 25, 2014	Mar 24, 2014	0.494902
Mar 25, 2014	Apr 24, 2014	0.494902
Apr 25, 2014	May 23, 2014	0.493689
May 27, 2014	Jun 24, 2014	0.492267
Jun 25, 2014	Jul 24, 2014	0.491746
Jul 25, 2014	Aug 22, 2014	0.491616
Aug 25, 2014	Sep 24, 2014	0.491138
Sep 25, 2014	Oct 24, 2014	0.490401
Oct 27, 2014	Nov 24, 2014	0.489186
Nov 25, 2014	Dec 24, 2014	0.487296
Dec 26, 2014	Jan 23, 2015	0.487201
Jan 26, 2015	Feb 24, 2015	0.487201
Feb 25, 2015	Mar 24, 2015	0.487157
Mar 25, 2015	Apr 24, 2015	0.486974
Apr 27, 2015	May 22, 2015	0.486803
May 26, 2015	Jun 24, 2015	0.486705
Jun 25, 2015		0.486274
-		

12A6 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.991529
Jul 25, 2007	Aug 24, 2007	0.971426
Aug 27, 2007	Sep 24, 2007	0.942080
Sep 25, 2007	Oct 24, 2007	0.917502
Oct 25, 2007	Nov 23, 2007	0.900249
Nov 26, 2007	Dec 24, 2007	0.883737
Dec 26, 2007	Jan 24, 2008	0.875914
Jan 25, 2008	Feb 22, 2008	0.862754
Feb 25, 2008	Mar 24, 2008	0.850267
Mar 25, 2008	Apr 24, 2008	0.828919
Apr 25, 2008	May 23, 2008	0.817644
May 27, 2008	Jun 24, 2008	0.791604
Jun 25, 2008	Jul 24, 2008	0.770125
Jul 25, 2008	Aug 22, 2008	0.751174
Aug 25, 2008	Sep 24, 2008	0.737035
Sep 25, 2008	Oct 24, 2008	0.719355
Oct 27, 2008	Nov 24, 2008	0.697618
Nov 25, 2008	Dec 24, 2008	0.680535
Dec 26, 2008	Jan 23, 2009	0.653287
Jan 26, 2009	Feb 24, 2009	0.633331
Feb 25, 2009	Mar 24, 2009	0.615329
Mar 25, 2009	Apr 24, 2009	0.595577
Apr 27, 2009	May 22, 2009	
May 26, 2009	Jun 24, 2009	0.578222
Jun 25, 2009	Jul 24, 2009	0.560980
Jul 27, 2009	Aug 24, 2009	0.539161
Aug 25, 2009	Sep 24, 2009	0.515076 0.496189
Sep 25, 2009	Oct 23, 2009	0.462456
Oct 26, 2009	Nov 24, 2009	0.445506
Nov 25, 2009	Dec 24, 2009	0.438621
Dec 28, 2009	Jan 22, 2010	0.426904
Jan 25, 2010	Feb 24, 2010	0.409520
Feb 25, 2010	Mar 24, 2010	0.398614
Mar 25, 2010	Apr 23, 2010	0.379366
Apr 26, 2010	May 24, 2010	0.371007
May 25, 2010	Jun 24, 2010	0.356222
Jun 25, 2010	Jul 23, 2010	0.347404
Jul 26, 2010	Aug 24, 2010	0.334536
Aug 25, 2010	Sep 24, 2010	0.325103
Sep 27, 2010	Oct 22, 2010	0.320445
Oct 25, 2010	Nov 24, 2010	0.307221
Nov 26, 2010	Dec 23, 2010	0.287732
Dec 27, 2010	Jan 24, 2011	0.278830
Jan 25, 2011	Feb 24, 2011	0.266744
Feb 25, 2011	Mar 24, 2011	0.259476
Mar 25, 2011	Apr 22, 2011	0.243888
Apr 25, 2011	May 24, 2011	0.231491
May 25, 2011	Jun 24, 2011	0.217765
Jun 27, 2011	Jul 22, 2011	0.217765
Jul 25, 2011	Aug 24, 2011	0.197227

12A6 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	0.188652
Sep 26, 2011	Oct 24, 2011	0.179780
Oct 25, 2011	Nov 23, 2011	0.166118
Nov 25, 2011	Dec 23, 2011	0.159874
Dec 27, 2011	Jan 24, 2012	0.149140
Jan 25, 2012	Feb 24, 2012	0.147166
Feb 27, 2012	Mar 23, 2012	0.137969
Mar 26, 2012	Apr 24, 2012	0.133651
Apr 25, 2012	May 24, 2012	0.125325
May 25, 2012	Jun 22, 2012	0.116865
Jun 25, 2012	Jul 24, 2012	0.107019
Jul 25, 2012	Aug 24, 2012	0.102342
Aug 27, 2012	Sep 24, 2012	0.093385
Sep 25, 2012	Oct 24, 2012	0.083921
Oct 25, 2012	Nov 23, 2012	0.075769
Nov 26, 2012	Dec 24, 2012	0.066042
Dec 26, 2012	Jan 24, 2013	0.055766
Jan 25, 2013	Feb 22, 2013	0.048389
Feb 25, 2013	Mar 22, 2013	0.038173
Mar 25, 2013	Apr 24, 2013	0.032479
Apr 25, 2013	May 24, 2013	0.026119
May 28, 2013	Jun 24, 2013	0.016178
Jun 25, 2013	Jul 24, 2013	0.010575
Jul 25, 2013	Aug 23, 2013	0.001080
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000
-		

1M1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
	*	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
	3 , -	1.000000

1M1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

1M2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
	-	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

1M2 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

1M3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
	-	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

1M3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

1M4 Certificate Writedown Free Factor Chart

Jun 25, 2007 Jul 25, 2007 Jul 25, 2007 Jul 25, 2007 Aug 24, 2007 Jul 25, 2007 Aug 27, 2007 Sep 24, 2007 Sep 25, 2007 Oct 25, 2007 Nov 23, 2007 Jul 25, 2007 Nov 23, 2007 Jul 25, 2007 Nov 24, 2007 Jul 25, 2007 Nov 25, 2007 Nov 25, 2007 Jul 25, 2008 Feb 22, 2008 Jul 25, 2008 Mar 24, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 26, 2008 Jul 27, 2008 Jul 28, 2008 Jul 28, 2008 Jul 28, 2008 Jul 29, 2008 Jul 29, 2008 Jul 20, 2009 Jul 21, 2009 Jul 22, 2009 Jul 22, 2009 Jul 23, 2009 Jul 24, 2009 Jul 27, 2009 Jul 28, 2009 Jul 28, 2009 Jul 28, 2009 Jul 29, 2009 Ju	From	То	Writedown Free Factor
Jul 25, 2007 Aug 24, 2007 1.000000 Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 27, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Nov 25, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Mar 25, 2009 Sep 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2001 Jul 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Dec 27, 2010 Jul 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2011 1.000000 Dec 27, 2010 Jul 24, 2011 1.000000 Dec 27, 2011 Jul 24, 2011 1.000000 Dec 27, 2011 Jul 24, 2011 1.000000 Jul 27, 2011 Jul 22, 2011 1.000000		Jun 22, 2007	1.000000
Jul 25, 2007 Aug 24, 2007 1.000000 Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 May 23, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2009 1.000000 Apr 25, 2009 Feb 24, 2009 1.000000 Jul 25, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 Apr 27, 2009 Jul 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 26, 2010 Jul 28, 2010 1.000000 Apr 27, 2011 Jul	Jun 25, 2007	Jul 24, 2007	1 000000
Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Aug 22, 2008 1.000000 Jun 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Peb 25, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2011 1.000000 Aug 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000	Jul 25, 2007	Aug 24, 2007	
Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Apr 24, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 May 23, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Aug 22, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 <t< td=""><td>Aug 27, 2007</td><td>Sep 24, 2007</td><td></td></t<>	Aug 27, 2007	Sep 24, 2007	
Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Jun 25, 2008 Mar 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Aug 27, 2008 Jul 24, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Feb 25, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Sep 25, 2009 Jul 24, 2009 1.000000 Dec 28, 2009 Jul 24, 2000 1.000000 Dec 28, 2001 Jul 28, 2010 1.000000 Dec 29, 2010 Jul 28, 2010 1.00	Sep 25, 2007	Oct 24, 2007	
Nov 26, 2007 Dec 24, 2008 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Feb 25, 2008 Feb 22, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 May 23, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 May 23, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Feb 25, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 May 22, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Dec 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 24, 2011 1.000000 Aug 25, 2011 Jul 22, 2011 1.000000	Oct 25, 2007	Nov 23, 2007	
Dec 26, 2007	Nov 26, 2007	Dec 24, 2007	
Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 May 23, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2000 Jul 24, 2009 1.000000 Aug 25, 2000 Jul 24, 2000 1.000000 Aug 25, 2000 Jul	Dec 26, 2007	Jan 24, 2008	
Feb 25, 2008 Mar 24, 2008 1,000000 Mar 25, 2008 Apr 24, 2008 1,000000 Apr 25, 2008 May 23, 2008 1,000000 May 27, 2008 Jun 24, 2008 1,000000 Jun 25, 2008 Jul 24, 2008 1,000000 Jul 25, 2008 Aug 22, 2008 1,000000 Aug 25, 2008 Sep 24, 2008 1,000000 Sep 25, 2008 Oct 24, 2008 1,000000 Oct 27, 2008 Nov 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Dec 26, 2008 Jan 23, 2009 1,000000 Jan 26, 2009 Feb 24, 2009 1,000000 Feb 25, 2009 Mar 24, 2009 1,000000 Apr 27, 2009 May 22, 2009 1,000000 May 26, 2009 Jun 24, 2009 1,000000 Jun 27, 2009 Aug 24, 2009 1,000000 Jun 27, 2009 Aug 24, 2009 1,000000 Jun 27, 2009 <t< td=""><td>Jan 25, 2008</td><td></td><td></td></t<>	Jan 25, 2008		
Mar 25, 2008		Mar 24. 2008	
Apr 25, 2008	·		
May 27, 2008 Jun 24, 2008 Jun 24, 2008 Jun 25, 2008 Jul 24, 2008 Jul 25, 2008 Aug 22, 2008 Aug 25, 2008 Sep 24, 2008 L000000 Sep 25, 2008 Oct 24, 2008 L000000 Oct 27, 2008 Nov 24, 2008 Jan 23, 2009 Jan 26, 2009 Feb 25, 2009 Mar 24, 2009 Jun 25, 2009 May 26, 2009 Jun 27, 2009 Aug 25, 2009 Aug 27, 2009 Aug 28, 2009 Jun 24, 2009 Jun 26, 2009 Jun 27, 2009 Jun 28, 2009 Jun 28, 2009 Jun 28, 2009 Jun 29, 2009 Jun 200000 Aug 25, 2009 Aug 24, 2009 Jun 26, 2009 Jun 27, 2009 Aug 28, 2009 Jun 28, 2009 Jun 29, 2009 Aug 20, 2000		-	
Jun 25, 2008 Jul 24, 2008 Jul 25, 2008 Aug 25, 2008 Aug 25, 2008 Sep 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 Jul 26, 2008 Jul 27, 2008 Jul 27, 2009 Jul 28, 2009 Jul 27, 2009 Aug 25, 2009 Aug 25, 2009 Aug 25, 2009 Aug 25, 2009 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 24, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Aug 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Jul 26, 2010 Aug 27, 2010 Jul 28, 2010 Jul 29, 2010 Jul 200000 Aug 29, 2010 Jul 29, 2010 Jul 200000 Aug 29, 2010 Jul 29, 2010 Jul 200000 Aug 20, 2010 Jul 200000 Aug 20, 2010 Jul 20, 2011 J			1.000000
Jul 25, 2008			
Aug 25, 2008			1.000000
Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jun 27, 2009 Aug 24, 2009 1.000000 Jun 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Oct 26, 2009 Jul 24, 2009 1.000000 Sep 25, 2009 Sep 24, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 May 24, 2010 1.000000 Mar 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Doc 27, 2010 Jul 23, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000			1.000000
Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.00000 Mar 25, 2009 Apr 24, 2009 1.00000 May 26, 2009 Jun 24, 2009 1.00000 Jun 25, 2009 Jul 24, 2009 1.00000 Jul 27, 2009 Aug 24, 2009 1.00000 Aug 25, 2009 Sep 24, 2009 1.00000 Sep 25, 2009 Oct 23, 2009 1.00000 Nov 26, 2009 Nov 24, 2009 1.00000 Nov 27, 2009 Dec 24, 2009 1.00000 Nov 28, 2009 Jan 2000 1.00000 Nov 29, 2009 Jan 2000 1.00000 Mar 25, 2010 Mar 24, 2010 1.00000 Jan 25, 2010 Feb 24, 2010 1.00000 Mar 25, 2010 Mar 24, 2010 1.00000 Mar 26, 2010 May 24, 2010 1.00000 May 25, 2010 Jul 23, 2010			1.000000
Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Nov 25, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Sep 24, 2010 1.000000 Doct 25, 2010 Nov 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000		-	1.000000
Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Dec 27, 2010 Jun 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000			1.000000
Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Dec 27, 2010 Jun 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Pec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Nov 25, 2008	Dec 24, 2008	1.000000
Feb 25, 2009	Dec 26, 2008	Jan 23, 2009	1.000000
Mar 25, 2009	Jan 26, 2009	Feb 24, 2009	1.000000
Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Nov 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Aug 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Feb 25, 2009	Mar 24, 2009	1.000000
May 26, 2009 Jun 25, 2009 Jul 24, 2009 Jul 27, 2009 Aug 24, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 Cot 26, 2009 Nov 24, 2009 Jul 27, 2009 Nov 24, 2009 Nov 25, 2009 Dec 24, 2009 Jul 27, 2009 Dec 28, 2009 Jul 29, 2010 Mar 24, 2010 Mar 25, 2010 May 25, 2010 May 24, 2010 May 25, 2010 May 25, 2010 May 24, 2010 Jul 28, 2010 Jul 29, 2010 Aug 24, 2010 Jul 20, 2010 Aug 24, 2010 Jul 26, 2010 Aug 24, 2010 Aug 24, 2010 Aug 25, 2010 Aug 25, 2010 Aug 24, 2010 Aug 25, 2010 Aug 27, 2010 Aug 28, 2010 Aug 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 200000 May 29, 2011 Aug 2011 Aug 200000 May 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2000000 Aug 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2000000 Aug 29, 2011 Aug 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011	Mar 25, 2009	Apr 24, 2009	1.000000
Jun 25, 2009 Jul 27, 2009 Aug 24, 2009 Aug 25, 2009 Sep 24, 2009 Cot 23, 2009 Nov 24, 2009 Jun 25, 2009 Nov 24, 2009 Nov 25, 2009 Dec 24, 2009 Jun 25, 2010 Mar 24, 2010 Mar 25, 2010 Mar 25, 2010 Mar 24, 2010 Jun 25, 2010 Mar 25, 2010 Mar 26, 2010 Jun 27, 2010 Aug 24, 2010 Aug 25, 2010 Aug 25, 2010 Jun 26, 2010 Aug 27, 2010 Aug 28, 2010 Aug 29, 2010 Jun 200000 Aug 2000000 Aug 2000000000000000000000000000000000000	Apr 27, 2009	May 22, 2009	1.000000
Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 26, 2010 Aug 24, 2010 1.000000 Sep 27, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	May 26, 2009	Jun 24, 2009	1.000000
Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Jun 25, 2009	Jul 24, 2009	1.000000
Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Jul 27, 2009	Aug 24, 2009	1.000000
Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 26, 2010 May 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Sep 24, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Aug 25, 2009	Sep 24, 2009	1.000000
Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 26, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Sep 25, 2009	Oct 23, 2009	1.000000
Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Oct 26, 2009	Nov 24, 2009	1.000000
Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Nov 25, 2009	Dec 24, 2009	1.000000
Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Dec 28, 2009	Jan 22, 2010	1.000000
Mar 25, 2010	Jan 25, 2010	Feb 24, 2010	1.000000
Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Feb 25, 2010	Mar 24, 2010	1.000000
May 25, 2010 Jun 24, 2010 Jun 25, 2010 Jul 23, 2010 Jul 26, 2010 Aug 24, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 Jun 24, 2011 Jun 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 Apr 25, 2011 Apr 22, 2011 Jun 200000 May 25, 2011 May 24, 2011 Jun 200000 May 25, 2011 May 24, 2011 Jun 200000 May 25, 2011 Jun 24, 2011 Jun 200000 May 25, 2011 Jun 24, 2011 Jun 200000 Jun 27, 2011 Jun 24, 2011 Jun 200000	Mar 25, 2010	Apr 23, 2010	1.000000
Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Apr 26, 2010	May 24, 2010	1.000000
Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	May 25, 2010	Jun 24, 2010	1.000000
Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Jun 25, 2010	Jul 23, 2010	1.000000
Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Jul 26, 2010	Aug 24, 2010	1.000000
Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Aug 25, 2010	Sep 24, 2010	1.000000
Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Sep 27, 2010	Oct 22, 2010	1.000000
Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Oct 25, 2010	Nov 24, 2010	1.000000
Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Nov 26, 2010	Dec 23, 2010	1.000000
Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Dec 27, 2010	Jan 24, 2011	1.000000
Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Jan 25, 2011	Feb 24, 2011	1.000000
Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Feb 25, 2011	Mar 24, 2011	1.000000
May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Mar 25, 2011	Apr 22, 2011	1.000000
Jun 27, 2011 Jul 22, 2011 1.000000	Apr 25, 2011	May 24, 2011	1.000000
1.00000	May 25, 2011	Jun 24, 2011	1.000000
	Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011 Aug 24, 2011 1.000000	Jul 25, 2011	Aug 24, 2011	1.000000

1M4 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015	•	1.000000
		1.000000

1M5 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
	-	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

1M5 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015	•	1.000000
		1.000000

1M6 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
	-	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

1M6 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015	•	1.000000
		1.000000

1B1 Certificate Writedown Free Factor Chart

Jun 25, 2007 Jul 25, 2007 Jul 25, 2007 Jul 25, 2007 Aug 24, 2007 Jul 25, 2007 Aug 27, 2007 Sep 24, 2007 Sep 25, 2007 Oct 25, 2007 Nov 23, 2007 Jul 25, 2007 Nov 23, 2007 Jul 25, 2007 Nov 24, 2007 Jul 25, 2007 Nov 25, 2007 Nov 25, 2007 Jul 25, 2008 Feb 22, 2008 Jul 25, 2008 Mar 24, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 26, 2008 Jul 27, 2008 Jul 28, 2008 Jul 28, 2008 Jul 28, 2008 Jul 29, 2008 Jul 29, 2008 Jul 20, 2009 Jul 21, 2009 Jul 22, 2009 Jul 22, 2009 Jul 23, 2009 Jul 24, 2009 Jul 27, 2009 Jul 28, 2009 Jul 28, 2009 Jul 28, 2009 Jul 29, 2009 Ju	From	То	Writedown Free Factor
Jul 25, 2007 Aug 24, 2007 1.000000 Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 27, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Nov 25, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Mar 25, 2009 Sep 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2001 Jul 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Dec 27, 2010 Jul 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2011 1.000000 Dec 27, 2010 Jul 24, 2011 1.000000 Dec 27, 2011 Jul 24, 2011 1.000000 Dec 27, 2011 Jul 24, 2011 1.000000 Jul 27, 2011 Jul 22, 2011 1.000000		Jun 22, 2007	1.000000
Jul 25, 2007 Aug 24, 2007 1.000000 Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 May 23, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2009 1.000000 Apr 25, 2009 Feb 24, 2009 1.000000 Jul 25, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 Apr 27, 2009 Jul 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 26, 2010 Jul 28, 2010 1.000000 Apr 27, 2011 Jul	Jun 25, 2007	Jul 24, 2007	1 000000
Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Aug 22, 2008 1.000000 Jun 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Peb 25, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2011 1.000000 Aug 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000	Jul 25, 2007	Aug 24, 2007	
Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Apr 24, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 May 23, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Aug 22, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 <t< td=""><td>Aug 27, 2007</td><td>Sep 24, 2007</td><td></td></t<>	Aug 27, 2007	Sep 24, 2007	
Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Jun 25, 2008 Mar 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Aug 27, 2008 Jul 24, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Feb 25, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Sep 25, 2009 Jul 24, 2009 1.000000 Dec 28, 2009 Jul 24, 2000 1.000000 Dec 28, 2001 Jul 28, 2010 1.000000 Dec 29, 2010 Jul 28, 2010 1.00	Sep 25, 2007	Oct 24, 2007	
Nov 26, 2007 Dec 24, 2008 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Feb 25, 2008 Feb 22, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 May 23, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 May 23, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Feb 25, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 May 22, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Dec 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 24, 2011 1.000000 Aug 25, 2011 Jul 22, 2011 1.000000	Oct 25, 2007	Nov 23, 2007	
Dec 26, 2007	Nov 26, 2007	Dec 24, 2007	
Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 May 23, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2000 Jul 24, 2009 1.000000 Aug 25, 2000 Jul 24, 2000 1.000000 Aug 25, 2000 Jul	Dec 26, 2007	Jan 24, 2008	
Feb 25, 2008 Mar 24, 2008 1,000000 Mar 25, 2008 Apr 24, 2008 1,000000 Apr 25, 2008 May 23, 2008 1,000000 May 27, 2008 Jun 24, 2008 1,000000 Jun 25, 2008 Jul 24, 2008 1,000000 Jul 25, 2008 Aug 22, 2008 1,000000 Aug 25, 2008 Sep 24, 2008 1,000000 Sep 25, 2008 Oct 24, 2008 1,000000 Oct 27, 2008 Nov 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Dec 26, 2008 Jan 23, 2009 1,000000 Jan 26, 2009 Feb 24, 2009 1,000000 Feb 25, 2009 Mar 24, 2009 1,000000 Apr 27, 2009 May 22, 2009 1,000000 May 26, 2009 Jun 24, 2009 1,000000 Jun 27, 2009 Aug 24, 2009 1,000000 Jun 27, 2009 Aug 24, 2009 1,000000 Jun 27, 2009 <t< td=""><td>Jan 25, 2008</td><td></td><td></td></t<>	Jan 25, 2008		
Mar 25, 2008		Mar 24. 2008	
Apr 25, 2008	·		
May 27, 2008 Jun 24, 2008 Jun 24, 2008 Jun 25, 2008 Jul 24, 2008 Jul 25, 2008 Aug 22, 2008 Aug 25, 2008 Sep 24, 2008 L000000 Sep 25, 2008 Oct 24, 2008 L000000 Oct 27, 2008 Nov 24, 2008 Jan 23, 2009 Jan 26, 2009 Feb 25, 2009 Mar 24, 2009 Jun 25, 2009 May 26, 2009 Jun 27, 2009 Aug 25, 2009 Aug 27, 2009 Aug 28, 2009 Jun 24, 2009 Jun 26, 2009 Jun 27, 2009 Jun 28, 2009 Jun 28, 2009 Jun 28, 2009 Jun 29, 2009 Jun 200000 Aug 25, 2009 Aug 24, 2009 Jun 26, 2009 Jun 27, 2009 Aug 28, 2009 Jun 28, 2009 Jun 29, 2009 Aug 20, 2000		-	
Jun 25, 2008 Jul 24, 2008 Jul 25, 2008 Aug 25, 2008 Aug 25, 2008 Sep 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 Jul 26, 2008 Jul 27, 2008 Jul 27, 2009 Jul 28, 2009 Jul 27, 2009 Aug 25, 2009 Aug 25, 2009 Aug 25, 2009 Aug 25, 2009 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 24, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Aug 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Jul 26, 2010 Aug 27, 2010 Jul 28, 2010 Jul 29, 2010 Jul 200000 Aug 29, 2010 Jul 29, 2010 Jul 200000 Aug 29, 2010 Jul 29, 2010 Jul 200000 Aug 20, 2010 Jul 200000 Aug 20, 2010 Jul 20, 2011 J			1.000000
Jul 25, 2008			
Aug 25, 2008			1.000000
Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jun 27, 2009 Aug 24, 2009 1.000000 Jun 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Oct 26, 2009 Jul 24, 2009 1.000000 Sep 25, 2009 Sep 24, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 May 24, 2010 1.000000 Mar 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Doc 27, 2010 Jul 23, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000			1.000000
Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.00000 Mar 25, 2009 Apr 24, 2009 1.00000 May 26, 2009 Jun 24, 2009 1.00000 Jun 25, 2009 Jul 24, 2009 1.00000 Jul 27, 2009 Aug 24, 2009 1.00000 Aug 25, 2009 Sep 24, 2009 1.00000 Sep 25, 2009 Oct 23, 2009 1.00000 Nov 26, 2009 Nov 24, 2009 1.00000 Nov 27, 2009 Dec 24, 2009 1.00000 Nov 28, 2009 Jan 2000 1.00000 Nov 29, 2009 Jan 2000 1.00000 Mar 25, 2010 Mar 24, 2010 1.00000 Jan 25, 2010 Feb 24, 2010 1.00000 Mar 25, 2010 Mar 24, 2010 1.00000 Mar 26, 2010 May 24, 2010 1.00000 May 25, 2010 Jul 23, 2010			1.000000
Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Nov 25, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Sep 24, 2010 1.000000 Doct 25, 2010 Nov 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000		-	1.000000
Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Dec 27, 2010 Jun 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000			1.000000
Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Dec 27, 2010 Jun 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Pec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Nov 25, 2008	Dec 24, 2008	1.000000
Feb 25, 2009	Dec 26, 2008	Jan 23, 2009	1.000000
Mar 25, 2009	Jan 26, 2009	Feb 24, 2009	1.000000
Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Nov 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Aug 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Feb 25, 2009	Mar 24, 2009	1.000000
May 26, 2009 Jun 25, 2009 Jul 24, 2009 Jul 27, 2009 Aug 24, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 Cot 26, 2009 Nov 24, 2009 Jul 27, 2009 Nov 24, 2009 Nov 25, 2009 Dec 24, 2009 Jul 27, 2009 Dec 28, 2009 Jul 29, 2010 Mar 24, 2010 Mar 25, 2010 May 25, 2010 May 24, 2010 May 25, 2010 May 25, 2010 May 24, 2010 Jul 28, 2010 Jul 29, 2010 Aug 24, 2010 Jul 20, 2010 Aug 24, 2010 Jul 26, 2010 Aug 24, 2010 Aug 24, 2010 Aug 25, 2010 Aug 25, 2010 Aug 24, 2010 Aug 25, 2010 Aug 27, 2010 Aug 28, 2010 Aug 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 200000 May 29, 2011 Aug 2011 Aug 200000 May 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2000000 Aug 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2000000 Aug 29, 2011 Aug 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011	Mar 25, 2009	Apr 24, 2009	1.000000
Jun 25, 2009 Jul 27, 2009 Aug 24, 2009 Aug 25, 2009 Sep 24, 2009 Cot 23, 2009 Nov 24, 2009 Jun 25, 2009 Nov 24, 2009 Nov 25, 2009 Dec 24, 2009 Jun 25, 2010 Mar 24, 2010 Mar 25, 2010 Mar 25, 2010 Mar 24, 2010 Jun 25, 2010 Mar 25, 2010 Mar 26, 2010 Jun 27, 2010 Aug 24, 2010 Aug 25, 2010 Aug 25, 2010 Jun 26, 2010 Aug 27, 2010 Aug 28, 2010 Aug 29, 2010 Jun 200000 Aug 2000000 Aug 2000000000000000000000000000000000000	Apr 27, 2009	May 22, 2009	1.000000
Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 26, 2010 Aug 24, 2010 1.000000 Sep 27, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	May 26, 2009	Jun 24, 2009	1.000000
Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Jun 25, 2009	Jul 24, 2009	1.000000
Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Jul 27, 2009	Aug 24, 2009	1.000000
Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 26, 2010 May 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Sep 24, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Aug 25, 2009	Sep 24, 2009	1.000000
Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 26, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Sep 25, 2009	Oct 23, 2009	1.000000
Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Oct 26, 2009	Nov 24, 2009	1.000000
Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Nov 25, 2009	Dec 24, 2009	1.000000
Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Dec 28, 2009	Jan 22, 2010	1.000000
Mar 25, 2010	Jan 25, 2010	Feb 24, 2010	1.000000
Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Feb 25, 2010	Mar 24, 2010	1.000000
May 25, 2010 Jun 24, 2010 Jun 25, 2010 Jul 23, 2010 Jul 26, 2010 Aug 24, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 Jun 24, 2011 Jun 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 Apr 25, 2011 Apr 22, 2011 Jun 200000 May 25, 2011 May 24, 2011 Jun 200000 May 25, 2011 May 24, 2011 Jun 200000 May 25, 2011 Jun 24, 2011 Jun 200000 May 25, 2011 Jun 24, 2011 Jun 200000 Jun 27, 2011 Jun 24, 2011 Jun 200000	Mar 25, 2010	Apr 23, 2010	1.000000
Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Apr 26, 2010	May 24, 2010	1.000000
Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	May 25, 2010	Jun 24, 2010	1.000000
Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Jun 25, 2010	Jul 23, 2010	1.000000
Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Jul 26, 2010	Aug 24, 2010	1.000000
Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Aug 25, 2010	Sep 24, 2010	1.000000
Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Sep 27, 2010	Oct 22, 2010	1.000000
Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Oct 25, 2010	Nov 24, 2010	1.000000
Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Nov 26, 2010	Dec 23, 2010	1.000000
Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Dec 27, 2010	Jan 24, 2011	1.000000
Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Jan 25, 2011	Feb 24, 2011	1.000000
Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Feb 25, 2011	Mar 24, 2011	1.000000
May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Mar 25, 2011	Apr 22, 2011	1.000000
Jun 27, 2011 Jul 22, 2011 1.000000	Apr 25, 2011	May 24, 2011	1.000000
1.00000	May 25, 2011	Jun 24, 2011	1.000000
	Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011 Aug 24, 2011 1.000000	Jul 25, 2011	Aug 24, 2011	1.000000

1B1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

1B2 Certificate Writedown Free Factor Chart

Jun 25, 2007 Jul 25, 2007 Jul 25, 2007 Jul 25, 2007 Aug 24, 2007 Jul 25, 2007 Aug 27, 2007 Sep 24, 2007 Sep 25, 2007 Oct 25, 2007 Nov 23, 2007 Jul 25, 2007 Nov 23, 2007 Jul 25, 2007 Nov 24, 2007 Jul 25, 2007 Nov 25, 2007 Nov 25, 2007 Jul 25, 2008 Feb 22, 2008 Jul 25, 2008 Mar 24, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 26, 2008 Jul 27, 2008 Jul 28, 2008 Jul 28, 2008 Jul 28, 2008 Jul 29, 2008 Jul 29, 2008 Jul 20, 2009 Jul 21, 2009 Jul 22, 2009 Jul 22, 2009 Jul 23, 2009 Jul 24, 2009 Jul 27, 2009 Jul 28, 2009 Jul 28, 2009 Jul 28, 2009 Jul 29, 2009 Ju	From	То	Writedown Free Factor
Jul 25, 2007 Aug 24, 2007 1.000000 Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 27, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Nov 25, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Mar 25, 2009 Sep 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2001 Jul 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Dec 27, 2010 Jul 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2011 1.000000 Dec 27, 2010 Jul 24, 2011 1.000000 Dec 27, 2011 Jul 24, 2011 1.000000 Dec 27, 2011 Jul 24, 2011 1.000000 Jul 27, 2011 Jul 22, 2011 1.000000		Jun 22, 2007	1.000000
Jul 25, 2007 Aug 24, 2007 1.000000 Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 May 23, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2009 1.000000 Apr 25, 2009 Feb 24, 2009 1.000000 Jul 25, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 Apr 27, 2009 Jul 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 26, 2010 Jul 28, 2010 1.000000 Apr 27, 2011 Jul	Jun 25, 2007	Jul 24, 2007	1 000000
Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Aug 22, 2008 1.000000 Jun 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Peb 25, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2011 1.000000 Aug 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000	Jul 25, 2007	Aug 24, 2007	
Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Apr 24, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 May 23, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Aug 22, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 <t< td=""><td>Aug 27, 2007</td><td>Sep 24, 2007</td><td></td></t<>	Aug 27, 2007	Sep 24, 2007	
Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Jun 25, 2008 Mar 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Aug 27, 2008 Jul 24, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Feb 25, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Sep 25, 2009 Jul 24, 2009 1.000000 Dec 28, 2009 Jul 24, 2000 1.000000 Dec 28, 2001 Jul 28, 2010 1.000000 Dec 29, 2010 Jul 28, 2010 1.00	Sep 25, 2007	Oct 24, 2007	
Nov 26, 2007 Dec 24, 2008 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Feb 25, 2008 Feb 22, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 May 23, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 May 23, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Feb 25, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 May 22, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Dec 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 24, 2011 1.000000 Aug 25, 2011 Jul 22, 2011 1.000000	Oct 25, 2007	Nov 23, 2007	
Dec 26, 2007	Nov 26, 2007	Dec 24, 2007	
Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 May 23, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2000 Jul 24, 2009 1.000000 Aug 25, 2000 Jul 24, 2000 1.000000 Aug 25, 2000 Jul	Dec 26, 2007	Jan 24, 2008	
Feb 25, 2008 Mar 24, 2008 1,000000 Mar 25, 2008 Apr 24, 2008 1,000000 Apr 25, 2008 May 23, 2008 1,000000 May 27, 2008 Jun 24, 2008 1,000000 Jun 25, 2008 Jul 24, 2008 1,000000 Jul 25, 2008 Aug 22, 2008 1,000000 Aug 25, 2008 Sep 24, 2008 1,000000 Sep 25, 2008 Oct 24, 2008 1,000000 Oct 27, 2008 Nov 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Dec 26, 2008 Jan 23, 2009 1,000000 Jan 26, 2009 Feb 24, 2009 1,000000 Feb 25, 2009 Mar 24, 2009 1,000000 Apr 27, 2009 May 22, 2009 1,000000 May 26, 2009 Jun 24, 2009 1,000000 Jun 27, 2009 Aug 24, 2009 1,000000 Jun 27, 2009 Aug 24, 2009 1,000000 Jun 27, 2009 <t< td=""><td>Jan 25, 2008</td><td></td><td></td></t<>	Jan 25, 2008		
Mar 25, 2008		Mar 24. 2008	
Apr 25, 2008	·		
May 27, 2008 Jun 24, 2008 Jun 24, 2008 Jun 25, 2008 Jul 24, 2008 Jul 25, 2008 Aug 22, 2008 Aug 25, 2008 Sep 24, 2008 L000000 Sep 25, 2008 Oct 24, 2008 L000000 Oct 27, 2008 Nov 24, 2008 Jan 23, 2009 Jan 26, 2009 Feb 25, 2009 Mar 24, 2009 Jun 25, 2009 May 26, 2009 Jun 27, 2009 Aug 25, 2009 Aug 27, 2009 Aug 28, 2009 Jun 24, 2009 Jun 26, 2009 Jun 27, 2009 Jun 28, 2009 Jun 28, 2009 Jun 28, 2009 Jun 29, 2009 Jun 200000 Aug 25, 2009 Aug 24, 2009 Jun 26, 2009 Jun 27, 2009 Aug 28, 2009 Jun 28, 2009 Jun 29, 2009 Aug 20, 2000		-	
Jun 25, 2008 Jul 24, 2008 Jul 25, 2008 Aug 25, 2008 Aug 25, 2008 Sep 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 Jul 26, 2008 Jul 27, 2008 Jul 27, 2009 Jul 28, 2009 Jul 27, 2009 Aug 25, 2009 Aug 25, 2009 Aug 25, 2009 Aug 25, 2009 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 24, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Aug 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Jul 26, 2010 Aug 27, 2010 Jul 28, 2010 Jul 29, 2010 Jul 200000 Aug 29, 2010 Jul 29, 2010 Jul 200000 Aug 29, 2010 Jul 29, 2010 Jul 200000 Aug 20, 2010 Jul 200000 Aug 20, 2010 Jul 20, 2011 J			1.000000
Jul 25, 2008			
Aug 25, 2008			1.000000
Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jun 27, 2009 Aug 24, 2009 1.000000 Jun 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Oct 26, 2009 Jul 24, 2009 1.000000 Sep 25, 2009 Sep 24, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 May 24, 2010 1.000000 Mar 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Doc 27, 2010 Jul 23, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000			1.000000
Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.00000 Mar 25, 2009 Apr 24, 2009 1.00000 May 26, 2009 Jun 24, 2009 1.00000 Jun 25, 2009 Jul 24, 2009 1.00000 Jul 27, 2009 Aug 24, 2009 1.00000 Aug 25, 2009 Sep 24, 2009 1.00000 Sep 25, 2009 Oct 23, 2009 1.00000 Nov 26, 2009 Nov 24, 2009 1.00000 Nov 27, 2009 Dec 24, 2009 1.00000 Nov 28, 2009 Jan 2000 1.00000 Nov 29, 2009 Jan 2000 1.00000 Mar 25, 2010 Mar 24, 2010 1.00000 Jan 25, 2010 Feb 24, 2010 1.00000 Mar 25, 2010 Mar 24, 2010 1.00000 Mar 26, 2010 May 24, 2010 1.00000 May 25, 2010 Jul 23, 2010			1.000000
Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Nov 25, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Sep 24, 2010 1.000000 Doct 25, 2010 Nov 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000		-	1.000000
Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Dec 27, 2010 Jun 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000			1.000000
Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Dec 27, 2010 Jun 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Pec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Nov 25, 2008	Dec 24, 2008	1.000000
Feb 25, 2009	Dec 26, 2008	Jan 23, 2009	1.000000
Mar 25, 2009	Jan 26, 2009	Feb 24, 2009	1.000000
Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Nov 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Aug 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Feb 25, 2009	Mar 24, 2009	1.000000
May 26, 2009 Jun 25, 2009 Jul 24, 2009 Jul 27, 2009 Aug 24, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 Cot 26, 2009 Nov 24, 2009 Jul 27, 2009 Nov 24, 2009 Nov 25, 2009 Dec 24, 2009 Jul 27, 2009 Dec 28, 2009 Jul 29, 2010 Mar 24, 2010 Mar 25, 2010 May 25, 2010 May 24, 2010 May 25, 2010 May 25, 2010 May 24, 2010 Jul 28, 2010 Jul 29, 2010 Aug 24, 2010 Jul 20, 2010 Aug 24, 2010 Jul 26, 2010 Aug 24, 2010 Aug 24, 2010 Aug 25, 2010 Aug 25, 2010 Aug 24, 2010 Aug 25, 2010 Aug 27, 2010 Aug 28, 2010 Aug 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 200000 May 29, 2011 Aug 2011 Aug 200000 May 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2000000 Aug 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2000000 Aug 29, 2011 Aug 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011	Mar 25, 2009	Apr 24, 2009	1.000000
Jun 25, 2009 Jul 27, 2009 Aug 24, 2009 Aug 25, 2009 Sep 24, 2009 Cot 23, 2009 Nov 24, 2009 Jun 25, 2009 Nov 24, 2009 Nov 25, 2009 Dec 24, 2009 Jun 25, 2010 Mar 24, 2010 Mar 25, 2010 Mar 25, 2010 Mar 24, 2010 Jun 25, 2010 Mar 25, 2010 Mar 26, 2010 Jun 27, 2010 Aug 24, 2010 Aug 25, 2010 Aug 25, 2010 Jun 26, 2010 Aug 27, 2010 Aug 28, 2010 Aug 29, 2010 Jun 200000 Aug 2000000 Aug 2000000000000000000000000000000000000	Apr 27, 2009	May 22, 2009	1.000000
Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 26, 2010 Aug 24, 2010 1.000000 Sep 27, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	May 26, 2009	Jun 24, 2009	1.000000
Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Jun 25, 2009	Jul 24, 2009	1.000000
Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Jul 27, 2009	Aug 24, 2009	1.000000
Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 26, 2010 May 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Sep 24, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Aug 25, 2009	Sep 24, 2009	1.000000
Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 26, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Sep 25, 2009	Oct 23, 2009	1.000000
Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Oct 26, 2009	Nov 24, 2009	1.000000
Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Nov 25, 2009	Dec 24, 2009	1.000000
Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Dec 28, 2009	Jan 22, 2010	1.000000
Mar 25, 2010	Jan 25, 2010	Feb 24, 2010	1.000000
Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Feb 25, 2010	Mar 24, 2010	1.000000
May 25, 2010 Jun 24, 2010 Jun 25, 2010 Jul 23, 2010 Jul 26, 2010 Aug 24, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 Jun 24, 2011 Jun 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 Apr 25, 2011 Apr 22, 2011 Jun 200000 May 25, 2011 May 24, 2011 Jun 200000 May 25, 2011 May 24, 2011 Jun 200000 May 25, 2011 Jun 24, 2011 Jun 200000 May 25, 2011 Jun 24, 2011 Jun 200000 Jun 27, 2011 Jun 24, 2011 Jun 200000	Mar 25, 2010	Apr 23, 2010	1.000000
Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Apr 26, 2010	May 24, 2010	1.000000
Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	May 25, 2010	Jun 24, 2010	1.000000
Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Jun 25, 2010	Jul 23, 2010	1.000000
Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Jul 26, 2010	Aug 24, 2010	1.000000
Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Aug 25, 2010	Sep 24, 2010	1.000000
Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Sep 27, 2010	Oct 22, 2010	1.000000
Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Oct 25, 2010	Nov 24, 2010	1.000000
Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Nov 26, 2010	Dec 23, 2010	1.000000
Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Dec 27, 2010	Jan 24, 2011	1.000000
Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Jan 25, 2011	Feb 24, 2011	1.000000
Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Feb 25, 2011	Mar 24, 2011	1.000000
May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Mar 25, 2011	Apr 22, 2011	1.000000
Jun 27, 2011 Jul 22, 2011 1.000000	Apr 25, 2011	May 24, 2011	1.000000
1.00000	May 25, 2011	Jun 24, 2011	1.000000
	Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011 Aug 24, 2011 1.000000	Jul 25, 2011	Aug 24, 2011	1.000000

1B2 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

2A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.999875
Jul 02, 2007	Jul 31, 2007	0.984022
Aug 01, 2007	Aug 31, 2007	0.973774
Sep 04, 2007	Sep 28, 2007	0.972250
Oct 01, 2007	Oct 31, 2007	0.970089
Nov 01, 2007	Nov 30, 2007	0.962495
Dec 03, 2007	Dec 31, 2007	0.957850
Jan 02, 2008	Jan 31, 2008	0.955585
Feb 01, 2008	Feb 29, 2008	0.951683
Mar 03, 2008	Mar 31, 2008	
Apr 01, 2008	Apr 30, 2008	0.948098
May 01, 2008	May 30, 2008	
Jun 02, 2008	Jun 30, 2008	0.935529
Jul 01, 2008	Jul 31, 2008	0.928411
Aug 01, 2008	Aug 29, 2008	0.924418
Sep 02, 2008	Sep 30, 2008	0.923952
Oct 01, 2008	Oct 31, 2008	0.922937
		0.917303
Nov 03, 2008	Nov 28, 2008	0.917201
Dec 01, 2008	Dec 31, 2008	0.917091
Jan 02, 2009	Jan 30, 2009	0.910095
Feb 02, 2009	Feb 27, 2009	0.908104
Mar 02, 2009	Mar 31, 2009	0.901496
Apr 01, 2009	Apr 30, 2009	0.890034
May 01, 2009	May 29, 2009	0.887211
Jun 01, 2009	Jun 30, 2009	0.881344
Jul 01, 2009	Jul 31, 2009	0.881266
Aug 03, 2009	Aug 31, 2009	0.870063
Sep 01, 2009	Sep 30, 2009	0.861314
Oct 01, 2009	Oct 30, 2009	0.852372
Nov 02, 2009	Nov 30, 2009	0.846451
Dec 01, 2009	Dec 31, 2009	0.840398
Jan 04, 2010	Jan 29, 2010	0.832713
Feb 01, 2010	Feb 26, 2010	0.830988
Mar 01, 2010	Mar 31, 2010	0.826133
Apr 01, 2010	Apr 30, 2010	0.823767
May 03, 2010	May 28, 2010	0.821521
Jun 01, 2010	Jun 30, 2010	0.811325
Jul 01, 2010	Jul 30, 2010	0.809962
Aug 02, 2010	Aug 31, 2010	0.803604
Sep 01, 2010	Sep 30, 2010	0.798534
Oct 01, 2010	Oct 29, 2010	0.790448
Nov 01, 2010	Nov 30, 2010	0.790448
Dec 01, 2010	Dec 31, 2010	0.788667
Jan 03, 2011	Jan 31, 2011	0.785100
Feb 01, 2011	Feb 28, 2011	0.783395
Mar 01, 2011	Mar 31, 2011	0.783395
Apr 01, 2011	Apr 29, 2011	0.781759
May 02, 2011	May 31, 2011	0.778680
Jun 01, 2011	Jun 30, 2011	0.774161
Jul 01, 2011	Jul 29, 2011	0.765922

2A1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.758574
Sep 01, 2011	Sep 30, 2011	0.758574
Oct 03, 2011	Oct 31, 2011	0.752758
Nov 01, 2011	Nov 30, 2011	0.750199
Dec 01, 2011	Dec 30, 2011	0.737800
Jan 03, 2012	Jan 31, 2012	0.735336
Feb 01, 2012	Feb 29, 2012	0.734829
Mar 01, 2012	Mar 30, 2012	0.731134
Apr 02, 2012	Apr 30, 2012	0.729102
May 01, 2012	May 31, 2012	0.724399
Jun 01, 2012	Jun 29, 2012	0.719701
Jul 02, 2012	Jul 31, 2012	0.717033
Aug 01, 2012	Aug 31, 2012	0.708505
Sep 04, 2012	Sep 28, 2012	0.703997
Oct 01, 2012	Oct 31, 2012	0.702877
Nov 01, 2012	Nov 30, 2012	0.695158
Dec 03, 2012	Dec 31, 2012	0.691777
Jan 02, 2013	Jan 31, 2013	0.689973
Feb 01, 2013	Feb 28, 2013	0.689879
Mar 01, 2013	Mar 29, 2013	0.686825
Apr 01, 2013	Apr 30, 2013	0.683698
May 01, 2013	May 31, 2013	0.681651
Jun 03, 2013	Jun 28, 2013	0.679953
Jul 01, 2013	Jul 31, 2013	0.668077
Aug 01, 2013	Aug 30, 2013	0.663420
Sep 03, 2013	Sep 30, 2013	0.660496
Oct 01, 2013	Oct 31, 2013	0.659477
Nov 01, 2013	Nov 29, 2013	0.653587
Dec 02, 2013	Dec 31, 2013	0.653587
Jan 02, 2014	Jan 31, 2014	0.651987
Feb 03, 2014	Feb 28, 2014	0.645730
Mar 03, 2014	Mar 31, 2014	0.643348
Apr 01, 2014	Apr 30, 2014	0.639190
May 01, 2014	May 30, 2014	0.623913
Jun 02, 2014	Jun 30, 2014	0.619491
Jul 01, 2014	Jul 31, 2014	0.617589
Aug 01, 2014	Aug 29, 2014	0.617340
Sep 02, 2014	Sep 30, 2014	0.614130
Oct 01, 2014	Oct 31, 2014	0.609426
Nov 03, 2014	Nov 28, 2014	0.605267
Dec 01, 2014	Dec 31, 2014	0.599492
Jan 02, 2015	Jan 30, 2015	0.599317
Feb 02, 2015	Feb 27, 2015	0.598839
Mar 02, 2015	Mar 31, 2015	0.593136
Apr 01, 2015	Apr 30, 2015	0.586933
May 01, 2015	May 29, 2015	0.583964
Jun 01, 2015		0.582535

2A1A Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.999875
Jul 02, 2007	Jul 31, 2007	0.984022
Aug 01, 2007	Aug 31, 2007	0.973774
Sep 04, 2007	Sep 28, 2007	0.972250
Oct 01, 2007	Oct 31, 2007	0.970089
Nov 01, 2007	Nov 30, 2007	
Dec 03, 2007	Dec 31, 2007	0.962495
Jan 02, 2008	Jan 31, 2008	0.957850
Feb 01, 2008	Feb 29, 2008	0.955585
Mar 03, 2008	Mar 31, 2008	0.951683
		0.948098
Apr 01, 2008	Apr 30, 2008	0.938862
May 01, 2008	May 30, 2008	0.935529
Jun 02, 2008	Jun 30, 2008	0.928411
Jul 01, 2008	Jul 31, 2008	0.924418
Aug 01, 2008	Aug 29, 2008	0.923952
Sep 02, 2008	Sep 30, 2008	0.922937
Oct 01, 2008	Oct 31, 2008	0.917303
Nov 03, 2008	Nov 28, 2008	0.917201
Dec 01, 2008	Dec 31, 2008	0.917091
Jan 02, 2009	Jan 30, 2009	0.910095
Feb 02, 2009	Feb 27, 2009	0.908104
Mar 02, 2009	Mar 31, 2009	0.901496
Apr 01, 2009	Apr 30, 2009	0.890034
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	0.887211
Jul 01, 2009	Jul 31, 2009	0.881344
Aug 03, 2009	Aug 31, 2009	0.881266
Sep 01, 2009	Sep 30, 2009	0.870063
Oct 01, 2009	Oct 30, 2009	0.861314
Nov 02, 2009	Nov 30, 2009	0.852372
Dec 01, 2009	Dec 31, 2009	0.846451
Jan 04, 2010	Jan 29, 2010	0.840398
Feb 01, 2010	Feb 26, 2010	0.832713
Mar 01, 2010	Mar 31, 2010	0.830988
Apr 01, 2010	Apr 30, 2010	0.826133
May 03, 2010	May 28, 2010	0.823767
	,	0.821521
Jun 01, 2010	Jun 30, 2010	0.811325
Jul 01, 2010	Jul 30, 2010	0.809962
Aug 02, 2010	Aug 31, 2010	0.803604
Sep 01, 2010	Sep 30, 2010	0.798534
Oct 01, 2010	Oct 29, 2010	0.790448
Nov 01, 2010	Nov 30, 2010	0.790448
Dec 01, 2010	Dec 31, 2010	0.788667
Jan 03, 2011	Jan 31, 2011	0.785100
Feb 01, 2011	Feb 28, 2011	0.783395
Mar 01, 2011	Mar 31, 2011	0.783395
Apr 01, 2011	Apr 29, 2011	0.781759
May 02, 2011	May 31, 2011	0.778680
Jun 01, 2011	Jun 30, 2011	0.774161
Jul 01, 2011	Jul 29, 2011	0.765922

2A1A Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.758574
Sep 01, 2011	Sep 30, 2011	0.758574
Oct 03, 2011	Oct 31, 2011	0.752758
Nov 01, 2011	Nov 30, 2011	0.750199
Dec 01, 2011	Dec 30, 2011	0.737800
Jan 03, 2012	Jan 31, 2012	0.735336
Feb 01, 2012	Feb 29, 2012	0.734829
Mar 01, 2012	Mar 30, 2012	0.731134
Apr 02, 2012	Apr 30, 2012	0.729102
May 01, 2012	May 31, 2012	0.724399
Jun 01, 2012	Jun 29, 2012	0.719701
Jul 02, 2012	Jul 31, 2012	0.717033
Aug 01, 2012	Aug 31, 2012	0.708505
Sep 04, 2012	Sep 28, 2012	0.703997
Oct 01, 2012	Oct 31, 2012	0.702877
Nov 01, 2012	Nov 30, 2012	0.695158
Dec 03, 2012	Dec 31, 2012	0.691777
Jan 02, 2013	Jan 31, 2013	0.689973
Feb 01, 2013	Feb 28, 2013	0.689879
Mar 01, 2013	Mar 29, 2013	0.686825
Apr 01, 2013	Apr 30, 2013	0.683698
May 01, 2013	May 31, 2013	0.681651
Jun 03, 2013	Jun 28, 2013	0.679953
Jul 01, 2013	Jul 31, 2013	0.668077
Aug 01, 2013	Aug 30, 2013	0.663420
Sep 03, 2013	Sep 30, 2013	0.660496
Oct 01, 2013	Oct 31, 2013	0.659477
Nov 01, 2013	Nov 29, 2013	0.653587
Dec 02, 2013	Dec 31, 2013	0.653587
Jan 02, 2014	Jan 31, 2014	0.651987
Feb 03, 2014	Feb 28, 2014	0.645730
Mar 03, 2014	Mar 31, 2014	0.643348
Apr 01, 2014	Apr 30, 2014	0.639190
May 01, 2014	May 30, 2014	0.623913
Jun 02, 2014	Jun 30, 2014	0.619491
Jul 01, 2014	Jul 31, 2014	0.617589
Aug 01, 2014	Aug 29, 2014	0.617340
Sep 02, 2014	Sep 30, 2014	0.614130
Oct 01, 2014	Oct 31, 2014	0.609426
Nov 03, 2014	Nov 28, 2014	0.605267
Dec 01, 2014	Dec 31, 2014	0.599492
Jan 02, 2015	Jan 30, 2015	0.599317
Feb 02, 2015	Feb 27, 2015	0.598839
Mar 02, 2015	Mar 31, 2015	0.593136
Apr 01, 2015	Apr 30, 2015	0.586933
May 01, 2015	May 29, 2015	0.583964
Jun 01, 2015		0.582535
-		

2A1B Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.000000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.00000
Jan 02, 2008	Jan 31, 2008	0.000000
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
	<u> </u>	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

2A1B Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

2A1C Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.999875
Jul 02, 2007	Jul 31, 2007	0.984022
Aug 01, 2007	Aug 31, 2007	0.973774
Sep 04, 2007	Sep 28, 2007	0.972250
Oct 01, 2007	Oct 31, 2007	0.970089
Nov 01, 2007	Nov 30, 2007	
Dec 03, 2007	Dec 31, 2007	0.962495
Jan 02, 2008	Jan 31, 2008	0.957850
Feb 01, 2008	Feb 29, 2008	0.955585
Mar 03, 2008	Mar 31, 2008	0.951683
		0.948098
Apr 01, 2008	Apr 30, 2008	0.938862
May 01, 2008	May 30, 2008	0.935529
Jun 02, 2008	Jun 30, 2008	0.928411
Jul 01, 2008	Jul 31, 2008	0.924418
Aug 01, 2008	Aug 29, 2008	0.923952
Sep 02, 2008	Sep 30, 2008	0.922937
Oct 01, 2008	Oct 31, 2008	0.917303
Nov 03, 2008	Nov 28, 2008	0.917201
Dec 01, 2008	Dec 31, 2008	0.917091
Jan 02, 2009	Jan 30, 2009	0.910095
Feb 02, 2009	Feb 27, 2009	0.908104
Mar 02, 2009	Mar 31, 2009	0.901496
Apr 01, 2009	Apr 30, 2009	0.890034
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	0.887211
Jul 01, 2009	Jul 31, 2009	0.881344
Aug 03, 2009	Aug 31, 2009	0.881266
Sep 01, 2009	Sep 30, 2009	0.870063
Oct 01, 2009	Oct 30, 2009	0.861314
Nov 02, 2009	Nov 30, 2009	0.852372
Dec 01, 2009	Dec 31, 2009	0.846451
Jan 04, 2010	Jan 29, 2010	0.840398
Feb 01, 2010	Feb 26, 2010	0.832713
Mar 01, 2010	Mar 31, 2010	0.830988
Apr 01, 2010	Apr 30, 2010	0.826133
May 03, 2010	May 28, 2010	0.823767
	,	0.821521
Jun 01, 2010	Jun 30, 2010	0.811325
Jul 01, 2010	Jul 30, 2010	0.809962
Aug 02, 2010	Aug 31, 2010	0.803604
Sep 01, 2010	Sep 30, 2010	0.798534
Oct 01, 2010	Oct 29, 2010	0.790448
Nov 01, 2010	Nov 30, 2010	0.790448
Dec 01, 2010	Dec 31, 2010	0.788667
Jan 03, 2011	Jan 31, 2011	0.785100
Feb 01, 2011	Feb 28, 2011	0.783395
Mar 01, 2011	Mar 31, 2011	0.783395
Apr 01, 2011	Apr 29, 2011	0.781759
May 02, 2011	May 31, 2011	0.778680
Jun 01, 2011	Jun 30, 2011	0.774161
Jul 01, 2011	Jul 29, 2011	0.765922

2A1C Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.758574
Sep 01, 2011	Sep 30, 2011	0.758574
Oct 03, 2011	Oct 31, 2011	0.752758
Nov 01, 2011	Nov 30, 2011	0.750199
Dec 01, 2011	Dec 30, 2011	0.737800
Jan 03, 2012	Jan 31, 2012	0.735336
Feb 01, 2012	Feb 29, 2012	0.734829
Mar 01, 2012	Mar 30, 2012	0.731134
Apr 02, 2012	Apr 30, 2012	0.729102
May 01, 2012	May 31, 2012	0.724399
Jun 01, 2012	Jun 29, 2012	0.719701
Jul 02, 2012	Jul 31, 2012	0.717033
Aug 01, 2012	Aug 31, 2012	0.708505
Sep 04, 2012	Sep 28, 2012	0.703997
Oct 01, 2012	Oct 31, 2012	0.702877
Nov 01, 2012	Nov 30, 2012	0.695158
Dec 03, 2012	Dec 31, 2012	0.691777
Jan 02, 2013	Jan 31, 2013	0.689973
Feb 01, 2013	Feb 28, 2013	0.689879
Mar 01, 2013	Mar 29, 2013	0.686825
Apr 01, 2013	Apr 30, 2013	0.683698
May 01, 2013	May 31, 2013	0.681651
Jun 03, 2013	Jun 28, 2013	0.679953
Jul 01, 2013	Jul 31, 2013	0.668077
Aug 01, 2013	Aug 30, 2013	0.663420
Sep 03, 2013	Sep 30, 2013	0.660496
Oct 01, 2013	Oct 31, 2013	0.659477
Nov 01, 2013	Nov 29, 2013	0.653587
Dec 02, 2013	Dec 31, 2013	0.653587
Jan 02, 2014	Jan 31, 2014	0.651987
Feb 03, 2014	Feb 28, 2014	0.645730
Mar 03, 2014	Mar 31, 2014	0.643348
Apr 01, 2014	Apr 30, 2014	0.639190
May 01, 2014	May 30, 2014	0.623913
Jun 02, 2014	Jun 30, 2014	0.619491
Jul 01, 2014	Jul 31, 2014	0.617589
Aug 01, 2014	Aug 29, 2014	0.617340
Sep 02, 2014	Sep 30, 2014	0.614130
Oct 01, 2014	Oct 31, 2014	0.609426
Nov 03, 2014	Nov 28, 2014	0.605267
Dec 01, 2014	Dec 31, 2014	0.599492
Jan 02, 2015	Jan 30, 2015	0.599317
Feb 02, 2015	Feb 27, 2015	0.598839
Mar 02, 2015	Mar 31, 2015	0.593136
Apr 01, 2015	Apr 30, 2015	0.586933
May 01, 2015	May 29, 2015	0.583964
Jun 01, 2015		0.582535

2A1D Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.00000
Jul 02, 2007	Jul 31, 2007	0.00000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
		0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

2A1D Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000
	-	

2A1E Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.999875
Jul 02, 2007	Jul 31, 2007	0.984022
Aug 01, 2007	Aug 31, 2007	0.973774
Sep 04, 2007	Sep 28, 2007	0.972250
Oct 01, 2007	Oct 31, 2007	0.970089
Nov 01, 2007	Nov 30, 2007	0.962495
Dec 03, 2007	Dec 31, 2007	0.957850
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.955585
Mar 03, 2008	Mar 31, 2008	0.951683
Apr 01, 2008	Apr 30, 2008	0.948098
May 01, 2008	May 30, 2008	0.938862
Jun 02, 2008	Jun 30, 2008	0.935529
Jul 01, 2008	Jul 31, 2008	0.928411
		0.924418
Aug 01, 2008	Aug 29, 2008	0.923952
Sep 02, 2008	Sep 30, 2008	0.922937
Oct 01, 2008	Oct 31, 2008	0.917303
Nov 03, 2008	Nov 28, 2008	0.917201
Dec 01, 2008	Dec 31, 2008	0.917091
Jan 02, 2009	Jan 30, 2009	0.910095
Feb 02, 2009	Feb 27, 2009	0.908104
Mar 02, 2009	Mar 31, 2009	0.901496
Apr 01, 2009	Apr 30, 2009	0.890034
May 01, 2009	May 29, 2009	0.887211
Jun 01, 2009	Jun 30, 2009	0.881344
Jul 01, 2009	Jul 31, 2009	0.881266
Aug 03, 2009	Aug 31, 2009	0.870063
Sep 01, 2009	Sep 30, 2009	0.861314
Oct 01, 2009	Oct 30, 2009	0.852372
Nov 02, 2009	Nov 30, 2009	0.846451
Dec 01, 2009	Dec 31, 2009	0.840398
Jan 04, 2010	Jan 29, 2010	0.832713
Feb 01, 2010	Feb 26, 2010	0.830988
Mar 01, 2010	Mar 31, 2010	0.826133
Apr 01, 2010	Apr 30, 2010	0.823767
May 03, 2010	May 28, 2010	0.821521
Jun 01, 2010	Jun 30, 2010	0.811325
Jul 01, 2010	Jul 30, 2010	0.809962
Aug 02, 2010	Aug 31, 2010	0.803604
Sep 01, 2010	Sep 30, 2010	0.798534
Oct 01, 2010	Oct 29, 2010	0.790448
Nov 01, 2010	Nov 30, 2010	0.790448
Dec 01, 2010	Dec 31, 2010	0.788667
Jan 03, 2011	Jan 31, 2011	0.785100
Feb 01, 2011	Feb 28, 2011	0.783395
Mar 01, 2011	Mar 31, 2011	0.783395
Apr 01, 2011	Apr 29, 2011	0.781759
May 02, 2011	May 31, 2011	0.778680
Jun 01, 2011	Jun 30, 2011	0.774161
Jul 01, 2011	Jul 29, 2011	0.765922

2A1E Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.758574
Sep 01, 2011	Sep 30, 2011	0.758574
Oct 03, 2011	Oct 31, 2011	0.752758
Nov 01, 2011	Nov 30, 2011	0.750199
Dec 01, 2011	Dec 30, 2011	0.737800
Jan 03, 2012	Jan 31, 2012	0.735336
Feb 01, 2012	Feb 29, 2012	0.734829
Mar 01, 2012	Mar 30, 2012	0.731134
Apr 02, 2012	Apr 30, 2012	0.729102
May 01, 2012	May 31, 2012	0.724399
Jun 01, 2012	Jun 29, 2012	0.719701
Jul 02, 2012	Jul 31, 2012	0.717033
Aug 01, 2012	Aug 31, 2012	0.708505
Sep 04, 2012	Sep 28, 2012	0.703997
Oct 01, 2012	Oct 31, 2012	0.702877
Nov 01, 2012	Nov 30, 2012	0.695158
Dec 03, 2012	Dec 31, 2012	0.691777
Jan 02, 2013	Jan 31, 2013	0.689973
Feb 01, 2013	Feb 28, 2013	0.689879
Mar 01, 2013	Mar 29, 2013	0.686825
Apr 01, 2013	Apr 30, 2013	0.683698
May 01, 2013	May 31, 2013	0.681651
Jun 03, 2013	Jun 28, 2013	0.679953
Jul 01, 2013	Jul 31, 2013	0.668077
Aug 01, 2013	Aug 30, 2013	0.663420
Sep 03, 2013	Sep 30, 2013	0.660496
Oct 01, 2013	Oct 31, 2013	0.659477
Nov 01, 2013	Nov 29, 2013	0.653587
Dec 02, 2013	Dec 31, 2013	0.653587
Jan 02, 2014	Jan 31, 2014	0.651987
Feb 03, 2014	Feb 28, 2014	0.645730
Mar 03, 2014	Mar 31, 2014	0.643348
Apr 01, 2014	Apr 30, 2014	0.639190
May 01, 2014	May 30, 2014	0.623913
Jun 02, 2014	Jun 30, 2014	0.619491
Jul 01, 2014	Jul 31, 2014	0.617589
Aug 01, 2014	Aug 29, 2014	0.617340
Sep 02, 2014	Sep 30, 2014	0.614130
Oct 01, 2014	Oct 31, 2014	0.609426
Nov 03, 2014	Nov 28, 2014	0.605267
Dec 01, 2014	Dec 31, 2014	0.599492
Jan 02, 2015	Jan 30, 2015	0.599317
Feb 02, 2015	Feb 27, 2015	0.598839
Mar 02, 2015	Mar 31, 2015	0.593136
Apr 01, 2015	Apr 30, 2015	0.586933
May 01, 2015	May 29, 2015	0.583964
Jun 01, 2015		0.582535

2A1F Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.00000
Jul 02, 2007	Jul 31, 2007	0.00000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
		0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

2A1F Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

2A1G Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.999875
Jul 02, 2007	Jul 31, 2007	0.984022
Aug 01, 2007	Aug 31, 2007	0.973774
Sep 04, 2007	Sep 28, 2007	0.972250
Oct 01, 2007	Oct 31, 2007	0.970089
Nov 01, 2007	Nov 30, 2007	0.962495
Dec 03, 2007	Dec 31, 2007	0.957850
Jan 02, 2008	Jan 31, 2008	0.955585
Feb 01, 2008	Feb 29, 2008	0.951683
Mar 03, 2008	Mar 31, 2008	0.948098
Apr 01, 2008	Apr 30, 2008	0.938862
May 01, 2008	May 30, 2008	0.935529
Jun 02, 2008	Jun 30, 2008	0.928411
Jul 01, 2008	Jul 31, 2008	0.924418
Aug 01, 2008	Aug 29, 2008	0.923952
Sep 02, 2008	Sep 30, 2008	0.922937
Oct 01, 2008	Oct 31, 2008	
Nov 03, 2008	Nov 28, 2008	0.917303
Dec 01, 2008	Dec 31, 2008	0.917201
Jan 02, 2009	Jan 30, 2009	0.917091
Feb 02, 2009	Feb 27, 2009	0.910095
Mar 02, 2009	Mar 31, 2009	0.908104
Apr 01, 2009	Apr 30, 2009	0.901496
May 01, 2009	May 29, 2009	0.890034
Jun 01, 2009	Jun 30, 2009	0.887211
Jul 01, 2009	Jul 31, 2009	0.881344
Aug 03, 2009	Aug 31, 2009	0.881266
Sep 01, 2009	Sep 30, 2009	0.870063
Oct 01, 2009	Oct 30, 2009	0.861314
Nov 02, 2009	Nov 30, 2009	0.852372 0.846451
Dec 01, 2009	Dec 31, 2009	
Jan 04, 2010	Jan 29, 2010	0.840398
Feb 01, 2010	Feb 26, 2010	0.832713 0.830988
Mar 01, 2010	Mar 31, 2010	0.826133
Apr 01, 2010	Apr 30, 2010	0.823767
May 03, 2010	May 28, 2010	0.821521
Jun 01, 2010	Jun 30, 2010	0.811325
Jul 01, 2010	Jul 30, 2010	0.809962
Aug 02, 2010	Aug 31, 2010	0.803604
Sep 01, 2010	Sep 30, 2010	0.798534
Oct 01, 2010	Oct 29, 2010	0.790448
Nov 01, 2010	Nov 30, 2010	0.790448
Dec 01, 2010	Dec 31, 2010	0.788667
Jan 03, 2011	Jan 31, 2011	0.785100
Feb 01, 2011	Feb 28, 2011	0.783395
Mar 01, 2011	Mar 31, 2011	0.783395
Apr 01, 2011	Apr 29, 2011	0.781759
May 02, 2011	May 31, 2011	0.778680
Jun 01, 2011	Jun 30, 2011	0.774161
Jul 01, 2011	Jul 29, 2011	0.765922

2A1G Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.758574
Sep 01, 2011	Sep 30, 2011	0.758574
Oct 03, 2011	Oct 31, 2011	0.752758
Nov 01, 2011	Nov 30, 2011	0.750199
Dec 01, 2011	Dec 30, 2011	0.737800
Jan 03, 2012	Jan 31, 2012	0.735336
Feb 01, 2012	Feb 29, 2012	0.734829
Mar 01, 2012	Mar 30, 2012	0.731134
Apr 02, 2012	Apr 30, 2012	0.729102
May 01, 2012	May 31, 2012	0.724399
Jun 01, 2012	Jun 29, 2012	0.719701
Jul 02, 2012	Jul 31, 2012	0.717033
Aug 01, 2012	Aug 31, 2012	0.708505
Sep 04, 2012	Sep 28, 2012	0.703997
Oct 01, 2012	Oct 31, 2012	0.702877
Nov 01, 2012	Nov 30, 2012	0.695158
Dec 03, 2012	Dec 31, 2012	0.691777
Jan 02, 2013	Jan 31, 2013	0.689973
Feb 01, 2013	Feb 28, 2013	0.689879
Mar 01, 2013	Mar 29, 2013	0.686825
Apr 01, 2013	Apr 30, 2013	0.683698
May 01, 2013	May 31, 2013	0.681651
Jun 03, 2013	Jun 28, 2013	0.679953
Jul 01, 2013	Jul 31, 2013	0.668077
Aug 01, 2013	Aug 30, 2013	0.663420
Sep 03, 2013	Sep 30, 2013	0.660496
Oct 01, 2013	Oct 31, 2013	0.659477
Nov 01, 2013	Nov 29, 2013	0.653587
Dec 02, 2013	Dec 31, 2013	0.653587
Jan 02, 2014	Jan 31, 2014	0.651987
Feb 03, 2014	Feb 28, 2014	0.645730
Mar 03, 2014	Mar 31, 2014	0.643348
Apr 01, 2014	Apr 30, 2014	0.639190
May 01, 2014	May 30, 2014	0.623913
Jun 02, 2014	Jun 30, 2014	0.619491
Jul 01, 2014	Jul 31, 2014	0.617589
Aug 01, 2014	Aug 29, 2014	0.617340
Sep 02, 2014	Sep 30, 2014	0.614130
Oct 01, 2014	Oct 31, 2014	0.609426
Nov 03, 2014	Nov 28, 2014	0.605267
Dec 01, 2014	Dec 31, 2014	0.599492
Jan 02, 2015	Jan 30, 2015	0.599317
Feb 02, 2015	Feb 27, 2015	0.598839
Mar 02, 2015	Mar 31, 2015	0.593136
Apr 01, 2015	Apr 30, 2015	0.586933
May 01, 2015	May 29, 2015	0.583964
Jun 01, 2015		0.582535

2A1H Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.000000
Aug 01, 2007	Aug 31, 2007	0.00000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	0.000000
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
	· ·	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.00000
Feb 02, 2009	Feb 27, 2009	0.00000
Mar 02, 2009	Mar 31, 2009	0.00000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000
Jui 01, 2011	Jul 29, 2011	0.000000

2A1H Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

2A1I Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.999875
Jul 02, 2007	Jul 31, 2007	0.984022
Aug 01, 2007	Aug 31, 2007	0.973774
Sep 04, 2007	Sep 28, 2007	0.972250
Oct 01, 2007	Oct 31, 2007	0.970089
Nov 01, 2007	Nov 30, 2007	
Dec 03, 2007	Dec 31, 2007	0.962495
Jan 02, 2008	Jan 31, 2008	0.957850
Feb 01, 2008	Feb 29, 2008	0.955585
Mar 03, 2008	Mar 31, 2008	0.951683
		0.948098
Apr 01, 2008	Apr 30, 2008	0.938862
May 01, 2008	May 30, 2008	0.935529
Jun 02, 2008	Jun 30, 2008	0.928411
Jul 01, 2008	Jul 31, 2008	0.924418
Aug 01, 2008	Aug 29, 2008	0.923952
Sep 02, 2008	Sep 30, 2008	0.922937
Oct 01, 2008	Oct 31, 2008	0.917303
Nov 03, 2008	Nov 28, 2008	0.917201
Dec 01, 2008	Dec 31, 2008	0.917091
Jan 02, 2009	Jan 30, 2009	0.910095
Feb 02, 2009	Feb 27, 2009	0.908104
Mar 02, 2009	Mar 31, 2009	0.901496
Apr 01, 2009	Apr 30, 2009	0.890034
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	0.887211
Jul 01, 2009	Jul 31, 2009	0.881344
Aug 03, 2009	Aug 31, 2009	0.881266
Sep 01, 2009	Sep 30, 2009	0.870063
Oct 01, 2009	Oct 30, 2009	0.861314
Nov 02, 2009	Nov 30, 2009	0.852372
Dec 01, 2009	Dec 31, 2009	0.846451
Jan 04, 2010	Jan 29, 2010	0.840398
Feb 01, 2010	Feb 26, 2010	0.832713
Mar 01, 2010	Mar 31, 2010	0.830988
Apr 01, 2010	Apr 30, 2010	0.826133
May 03, 2010	May 28, 2010	0.823767
	,	0.821521
Jun 01, 2010	Jun 30, 2010	0.811325
Jul 01, 2010	Jul 30, 2010	0.809962
Aug 02, 2010	Aug 31, 2010	0.803604
Sep 01, 2010	Sep 30, 2010	0.798534
Oct 01, 2010	Oct 29, 2010	0.790448
Nov 01, 2010	Nov 30, 2010	0.790448
Dec 01, 2010	Dec 31, 2010	0.788667
Jan 03, 2011	Jan 31, 2011	0.785100
Feb 01, 2011	Feb 28, 2011	0.783395
Mar 01, 2011	Mar 31, 2011	0.783395
Apr 01, 2011	Apr 29, 2011	0.781759
May 02, 2011	May 31, 2011	0.778680
Jun 01, 2011	Jun 30, 2011	0.774161
Jul 01, 2011	Jul 29, 2011	0.765922

2A1I Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.758574
Sep 01, 2011	Sep 30, 2011	0.758574
Oct 03, 2011	Oct 31, 2011	0.752758
Nov 01, 2011	Nov 30, 2011	0.750199
Dec 01, 2011	Dec 30, 2011	0.737800
Jan 03, 2012	Jan 31, 2012	0.735336
Feb 01, 2012	Feb 29, 2012	0.734829
Mar 01, 2012	Mar 30, 2012	0.731134
Apr 02, 2012	Apr 30, 2012	0.729102
May 01, 2012	May 31, 2012	0.724399
Jun 01, 2012	Jun 29, 2012	0.719701
Jul 02, 2012	Jul 31, 2012	0.717033
Aug 01, 2012	Aug 31, 2012	0.708505
Sep 04, 2012	Sep 28, 2012	0.703997
Oct 01, 2012	Oct 31, 2012	0.702877
Nov 01, 2012	Nov 30, 2012	0.695158
Dec 03, 2012	Dec 31, 2012	0.691777
Jan 02, 2013	Jan 31, 2013	0.689973
Feb 01, 2013	Feb 28, 2013	0.689879
Mar 01, 2013	Mar 29, 2013	0.686825
Apr 01, 2013	Apr 30, 2013	0.683698
May 01, 2013	May 31, 2013	0.681651
Jun 03, 2013	Jun 28, 2013	0.679953
Jul 01, 2013	Jul 31, 2013	0.668077
Aug 01, 2013	Aug 30, 2013	0.663420
Sep 03, 2013	Sep 30, 2013	0.660496
Oct 01, 2013	Oct 31, 2013	0.659477
Nov 01, 2013	Nov 29, 2013	0.653587
Dec 02, 2013	Dec 31, 2013	0.653587
Jan 02, 2014	Jan 31, 2014	0.651987
Feb 03, 2014	Feb 28, 2014	0.645730
Mar 03, 2014	Mar 31, 2014	0.643348
Apr 01, 2014	Apr 30, 2014	0.639190
May 01, 2014	May 30, 2014	0.623913
Jun 02, 2014	Jun 30, 2014	0.619491
Jul 01, 2014	Jul 31, 2014	0.617589
Aug 01, 2014	Aug 29, 2014	0.617340
Sep 02, 2014	Sep 30, 2014	0.614130
Oct 01, 2014	Oct 31, 2014	0.609426
Nov 03, 2014	Nov 28, 2014	0.605267
Dec 01, 2014	Dec 31, 2014	0.599492
Jan 02, 2015	Jan 30, 2015	0.599317
Feb 02, 2015	Feb 27, 2015	0.598839
Mar 02, 2015	Mar 31, 2015	0.593136
Apr 01, 2015	Apr 30, 2015	0.586933
May 01, 2015	May 29, 2015	0.583964
Jun 01, 2015		0.582535

2A1J Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.00000
Aug 01, 2007	Aug 31, 2007	0.00000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
		0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

2A1J Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

2A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.999875
Jul 02, 2007	Jul 31, 2007	0.984022
Aug 01, 2007	Aug 31, 2007	0.973774
Sep 04, 2007	Sep 28, 2007	0.972250
Oct 01, 2007	Oct 31, 2007	0.970089
Nov 01, 2007	Nov 30, 2007	
Dec 03, 2007	Dec 31, 2007	0.962495 0.957850
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.955585
Mar 03, 2008	Mar 31, 2008	0.951683
Apr 01, 2008	Apr 30, 2008	0.948098
		0.938862
May 01, 2008	May 30, 2008	0.935529
Jun 02, 2008	Jun 30, 2008	0.928411
Jul 01, 2008	Jul 31, 2008	0.924418
Aug 01, 2008	Aug 29, 2008	0.923952
Sep 02, 2008	Sep 30, 2008	0.922937
Oct 01, 2008	Oct 31, 2008	0.917303
Nov 03, 2008	Nov 28, 2008	0.917201
Dec 01, 2008	Dec 31, 2008	0.917091
Jan 02, 2009	Jan 30, 2009	0.910095
Feb 02, 2009	Feb 27, 2009	0.908104
Mar 02, 2009	Mar 31, 2009	0.901496
Apr 01, 2009	Apr 30, 2009	0.890034
May 01, 2009	May 29, 2009	0.887211
Jun 01, 2009	Jun 30, 2009	0.881344
Jul 01, 2009	Jul 31, 2009	
Aug 03, 2009	Aug 31, 2009	0.881266 0.870063
Sep 01, 2009	Sep 30, 2009	
Oct 01, 2009	Oct 30, 2009	0.861314 0.852372
Nov 02, 2009	Nov 30, 2009	
Dec 01, 2009	Dec 31, 2009	0.846451
Jan 04, 2010	Jan 29, 2010	0.840398
Feb 01, 2010	Feb 26, 2010	0.832713
Mar 01, 2010	Mar 31, 2010	0.830988
Apr 01, 2010	Apr 30, 2010	
May 03, 2010	May 28, 2010	0.823767
Jun 01, 2010	Jun 30, 2010	0.821520
Jul 01, 2010	Jul 30, 2010	0.811325
Aug 02, 2010	Aug 31, 2010	0.809962
Sep 01, 2010	Sep 30, 2010	0.803604
Oct 01, 2010	Oct 29, 2010	
Nov 01, 2010	Nov 30, 2010	0.791783
Dec 01, 2010	Dec 31, 2010	0.791783
Jan 03, 2011	Jan 31, 2011	0.791783
Feb 01, 2011	Feb 28, 2011	0.791783
Mar 01, 2011	Mar 31, 2011	0.791783
Apr 01, 2011	Apr 29, 2011	0.791783
May 02, 2011	May 31, 2011	0.791783
Jun 01, 2011	Jun 30, 2011	0.791783
Jul 01, 2011	Jul 29, 2011	0.791783
	JUI 23, 2011	0.791783

2A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.791783
Sep 01, 2011	Sep 30, 2011	0.791783
Oct 03, 2011	Oct 31, 2011	0.791783
Nov 01, 2011	Nov 30, 2011	0.791783
Dec 01, 2011	Dec 30, 2011	0.791783
Jan 03, 2012	Jan 31, 2012	0.791783
Feb 01, 2012	Feb 29, 2012	0.791783
Mar 01, 2012	Mar 30, 2012	0.791783
Apr 02, 2012	Apr 30, 2012	0.791783
May 01, 2012	May 31, 2012	0.791783
Jun 01, 2012	Jun 29, 2012	0.791783
Jul 02, 2012	Jul 31, 2012	0.791783
Aug 01, 2012	Aug 31, 2012	0.791783
Sep 04, 2012	Sep 28, 2012	0.791783
Oct 01, 2012	Oct 31, 2012	0.791783
Nov 01, 2012	Nov 30, 2012	0.791783
Dec 03, 2012	Dec 31, 2012	0.791783
Jan 02, 2013	Jan 31, 2013	0.791783
Feb 01, 2013	Feb 28, 2013	0.791783
Mar 01, 2013	Mar 29, 2013	0.791783
Apr 01, 2013	Apr 30, 2013	0.791783
May 01, 2013	May 31, 2013	0.791783
Jun 03, 2013	Jun 28, 2013	0.791783
Jul 01, 2013	Jul 31, 2013	0.791783
Aug 01, 2013	Aug 30, 2013	0.791783
Sep 03, 2013	Sep 30, 2013	0.791783
Oct 01, 2013	Oct 31, 2013	0.791783
Nov 01, 2013	Nov 29, 2013	0.791783
Dec 02, 2013	Dec 31, 2013	0.791783
Jan 02, 2014	Jan 31, 2014	0.791783
Feb 03, 2014	Feb 28, 2014	0.791783
Mar 03, 2014	Mar 31, 2014	0.791783
Apr 01, 2014	Apr 30, 2014	0.791783
May 01, 2014	May 30, 2014	0.791783
Jun 02, 2014	Jun 30, 2014	0.791783
Jul 01, 2014	Jul 31, 2014	0.791783
Aug 01, 2014	Aug 29, 2014	0.791783
Sep 02, 2014	Sep 30, 2014	0.791783
Oct 01, 2014	Oct 31, 2014	0.791783
Nov 03, 2014	Nov 28, 2014	0.791783
Dec 01, 2014	Dec 31, 2014	0.791783
Jan 02, 2015	Jan 30, 2015	0.791783
Feb 02, 2015	Feb 27, 2015	0.791783
Mar 02, 2015	Mar 31, 2015	0.791783
Apr 01, 2015	Apr 30, 2015	0.791783
May 01, 2015	May 29, 2015	0.791783
Jun 01, 2015		0.791783

3A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.990629
Jul 02, 2007	Jul 31, 2007	0.990383
Aug 01, 2007	Aug 31, 2007	0.961687
Sep 04, 2007	Sep 28, 2007	0.950037
Oct 01, 2007	Oct 31, 2007	
Nov 01, 2007	Nov 30, 2007	0.949938
Dec 03, 2007	Dec 31, 2007	0.932301
Jan 02, 2008	Jan 31, 2008	0.914747
Feb 01, 2008	Feb 29, 2008	0.914691
Mar 03, 2008	Mar 31, 2008	0.887341
		0.866149
Apr 01, 2008	Apr 30, 2008	0.866045
May 01, 2008	May 30, 2008	0.855065
Jun 02, 2008	Jun 30, 2008	0.843777
Jul 01, 2008	Jul 31, 2008	0.843677
Aug 01, 2008	Aug 29, 2008	0.833425
Sep 02, 2008	Sep 30, 2008	0.816316
Oct 01, 2008	Oct 31, 2008	0.816221
Nov 03, 2008	Nov 28, 2008	0.804485
Dec 01, 2008	Dec 31, 2008	0.804177
Jan 02, 2009	Jan 30, 2009	0.804073
Feb 02, 2009	Feb 27, 2009	0.795055
Mar 02, 2009	Mar 31, 2009	0.794293
Apr 01, 2009	Apr 30, 2009	0.794293
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	0.774924
Jul 01, 2009	Jul 31, 2009	0.774847
Aug 03, 2009	Aug 31, 2009	0.774759
Sep 01, 2009	Sep 30, 2009	0.774529
Oct 01, 2009	Oct 30, 2009	0.766798
Nov 02, 2009	Nov 30, 2009	0.762066
Dec 01, 2009	Dec 31, 2009	0.754900
Jan 04, 2010	Jan 29, 2010	0.753924
Feb 01, 2010	Feb 26, 2010	0.748811
Mar 01, 2010	Mar 31, 2010	0.738227
Apr 01, 2010	Apr 30, 2010	0.725310
May 03, 2010	May 28, 2010	0.724883
Jun 01, 2010	Jun 30, 2010	0.724535
Jul 01, 2010	Jul 30, 2010	0.721064
Aug 02, 2010		0.711930
	Aug 31, 2010	0.711930
Sep 01, 2010	Sep 30, 2010	0.707438
Oct 01, 2010	Oct 29, 2010	0.700274
Nov 01, 2010 Dec 01, 2010	Nov 30, 2010 Dec 31, 2010	0.699925
		0.682918
Jan 03, 2011	Jan 31, 2011	0.682918
Feb 01, 2011	Feb 28, 2011	0.672914
Mar 01, 2011	Mar 31, 2011	0.670572
Apr 01, 2011	Apr 29, 2011	0.670376
May 02, 2011	May 31, 2011	0.661630
Jun 01, 2011	Jun 30, 2011	0.638509
Jul 01, 2011	Jul 29, 2011	0.631955

3A1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.620588
Sep 01, 2011	Sep 30, 2011	0.619206
Oct 03, 2011	Oct 31, 2011	0.619206
Nov 01, 2011	Nov 30, 2011	0.619206
Dec 01, 2011	Dec 30, 2011	0.607989
Jan 03, 2012	Jan 31, 2012	0.605736
Feb 01, 2012	Feb 29, 2012	0.605263
Mar 01, 2012	Mar 30, 2012	0.601791
Apr 02, 2012	Apr 30, 2012	0.599878
May 01, 2012	May 31, 2012	0.595396
Jun 01, 2012	Jun 29, 2012	0.590880
Jul 02, 2012	Jul 31, 2012	0.588300
Aug 01, 2012	Aug 31, 2012	0.579683
Sep 04, 2012	Sep 28, 2012	0.579175
Oct 01, 2012	Oct 31, 2012	0.571928
Nov 01, 2012	Nov 30, 2012	0.564042
Dec 03, 2012	Dec 31, 2012	0.558545
Jan 02, 2013	Jan 31, 2013	0.556699
Feb 01, 2013	Feb 28, 2013	0.556603
Mar 01, 2013	Mar 29, 2013	0.553491
Apr 01, 2013	Apr 30, 2013	0.550286
May 01, 2013	May 31, 2013	0.549669
Jun 03, 2013	Jun 28, 2013	0.549033
Jul 01, 2013	Jul 31, 2013	0.536807
Aug 01, 2013	Aug 30, 2013	0.531981
Sep 03, 2013	Sep 30, 2013	0.531521
Oct 01, 2013	Oct 31, 2013	0.531261
Nov 01, 2013	Nov 29, 2013	0.530820
Dec 02, 2013	Dec 31, 2013	0.530483
Jan 02, 2014	Jan 31, 2014	0.528762
Feb 03, 2014	Feb 28, 2014	0.522035
Mar 03, 2014	Mar 31, 2014	0.519474
Apr 01, 2014	Apr 30, 2014	0.515008
May 01, 2014	May 30, 2014	0.498619
Jun 02, 2014	Jun 30, 2014	0.493835
Jul 01, 2014	Jul 31, 2014	0.491773
Aug 01, 2014	Aug 29, 2014	0.491504
Sep 02, 2014	Sep 30, 2014	0.488027
Oct 01, 2014	Oct 31, 2014	0.482894
Nov 03, 2014	Nov 28, 2014	0.478356
Dec 01, 2014	Dec 31, 2014	0.472055
Jan 02, 2015	Jan 30, 2015	0.471863
Feb 02, 2015	Feb 27, 2015	0.471339
Mar 02, 2015	Mar 31, 2015	0.465079
Apr 01, 2015	Apr 30, 2015	0.458546
May 01, 2015	May 29, 2015	0.455407
Jun 01, 2015		0.453897

3A1A Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.990629
Jul 02, 2007	Jul 31, 2007	0.990383
Aug 01, 2007	Aug 31, 2007	0.961687
Sep 04, 2007	Sep 28, 2007	0.950037
Oct 01, 2007	Oct 31, 2007	0.949938
Nov 01, 2007	Nov 30, 2007	0.932301
Dec 03, 2007	Dec 31, 2007	0.914747
Jan 02, 2008	Jan 31, 2008	0.914691
Feb 01, 2008	Feb 29, 2008	0.887341
Mar 03, 2008	Mar 31, 2008	0.866149
Apr 01, 2008	Apr 30, 2008	0.866045
May 01, 2008	May 30, 2008	0.855065
Jun 02, 2008	Jun 30, 2008	0.843777
Jul 01, 2008	Jul 31, 2008	0.843677
Aug 01, 2008	Aug 29, 2008	0.833425
Sep 02, 2008	Sep 30, 2008	
Oct 01, 2008	Oct 31, 2008	0.816316
Nov 03, 2008	Nov 28, 2008	0.816221
Dec 01, 2008	Dec 31, 2008	0.804485
Jan 02, 2009	Jan 30, 2009	0.804177
Feb 02, 2009	Feb 27, 2009	0.804073
Mar 02, 2009	Mar 31, 2009	0.795055
Apr 01, 2009	Apr 30, 2009	0.794293
May 01, 2009	May 29, 2009	0.785536
Jun 01, 2009	Jun 30, 2009	0.774924
Jul 01, 2009	Jul 31, 2009	0.774847
Aug 03, 2009	Aug 31, 2009	0.774759
Sep 01, 2009	Sep 30, 2009	0.774529
Oct 01, 2009	Oct 30, 2009	0.766798
Nov 02, 2009	Nov 30, 2009	0.762066
Dec 01, 2009	Dec 31, 2009	0.754900
Jan 04, 2010	Jan 29, 2010	0.753924
Feb 01, 2010	Feb 26, 2010	0.748811 0.738227
Mar 01, 2010	Mar 31, 2010	0.725310
Apr 01, 2010	Apr 30, 2010	0.724883
May 03, 2010	May 28, 2010	0.724535
Jun 01, 2010	Jun 30, 2010	0.721064
Jul 01, 2010	Jul 30, 2010	0.711930
Aug 02, 2010	Aug 31, 2010	0.711930
Sep 01, 2010	Sep 30, 2010	0.707438
Oct 01, 2010	Oct 29, 2010	0.700274
Nov 01, 2010	Nov 30, 2010	0.699925
Dec 01, 2010	Dec 31, 2010	0.682918
Jan 03, 2011	Jan 31, 2011	0.682918
Feb 01, 2011	Feb 28, 2011	0.672914
Mar 01, 2011	Mar 31, 2011	0.670572
Apr 01, 2011	Apr 29, 2011	0.670376
May 02, 2011	May 31, 2011	0.661630
Jun 01, 2011	Jun 30, 2011	0.638509
Jul 01, 2011	Jul 29, 2011	0.631955

3A1A Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.620588
Sep 01, 2011	Sep 30, 2011	0.619206
Oct 03, 2011	Oct 31, 2011	0.619206
Nov 01, 2011	Nov 30, 2011	0.619206
Dec 01, 2011	Dec 30, 2011	0.607989
Jan 03, 2012	Jan 31, 2012	0.605736
Feb 01, 2012	Feb 29, 2012	0.605263
Mar 01, 2012	Mar 30, 2012	0.601791
Apr 02, 2012	Apr 30, 2012	0.599878
May 01, 2012	May 31, 2012	0.595396
Jun 01, 2012	Jun 29, 2012	0.590880
Jul 02, 2012	Jul 31, 2012	0.588300
Aug 01, 2012	Aug 31, 2012	0.579683
Sep 04, 2012	Sep 28, 2012	0.579175
Oct 01, 2012	Oct 31, 2012	0.571928
Nov 01, 2012	Nov 30, 2012	0.564042
Dec 03, 2012	Dec 31, 2012	0.558545
Jan 02, 2013	Jan 31, 2013	0.556699
Feb 01, 2013	Feb 28, 2013	0.556603
Mar 01, 2013	Mar 29, 2013	0.553491
Apr 01, 2013	Apr 30, 2013	0.550286
May 01, 2013	May 31, 2013	0.549669
Jun 03, 2013	Jun 28, 2013	0.549033
Jul 01, 2013	Jul 31, 2013	0.536807
Aug 01, 2013	Aug 30, 2013	0.531981
Sep 03, 2013	Sep 30, 2013	0.531521
Oct 01, 2013	Oct 31, 2013	0.531261
Nov 01, 2013	Nov 29, 2013	0.530820
Dec 02, 2013	Dec 31, 2013	0.530483
Jan 02, 2014	Jan 31, 2014	0.528762
Feb 03, 2014	Feb 28, 2014	0.522035
Mar 03, 2014	Mar 31, 2014	0.519474
Apr 01, 2014	Apr 30, 2014	0.515008
May 01, 2014	May 30, 2014	0.498619
Jun 02, 2014	Jun 30, 2014	0.493835
Jul 01, 2014	Jul 31, 2014	0.491773
Aug 01, 2014	Aug 29, 2014	0.491504
Sep 02, 2014	Sep 30, 2014	0.488027
Oct 01, 2014	Oct 31, 2014	0.482894
Nov 03, 2014	Nov 28, 2014	0.478356
Dec 01, 2014	Dec 31, 2014	0.472055
Jan 02, 2015	Jan 30, 2015	0.471863
Feb 02, 2015	Feb 27, 2015	0.471339
Mar 02, 2015	Mar 31, 2015	0.465079
Apr 01, 2015	Apr 30, 2015	0.458546
May 01, 2015	May 29, 2015	0.455407
Jun 01, 2015		0.453897

3A1B Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.00000
Jul 02, 2007	Jul 31, 2007	0.00000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
		0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

3A1B Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

3A1C Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.990629
Jul 02, 2007	Jul 31, 2007	0.990383
Aug 01, 2007	Aug 31, 2007	0.961687
Sep 04, 2007	Sep 28, 2007	0.950037
Oct 01, 2007	Oct 31, 2007	0.949938
Nov 01, 2007	Nov 30, 2007	0.932301
Dec 03, 2007	Dec 31, 2007	0.914747
Jan 02, 2008	Jan 31, 2008	0.914691
Feb 01, 2008	Feb 29, 2008	
Mar 03, 2008	Mar 31, 2008	0.887341
Apr 01, 2008	Apr 30, 2008	0.866149
May 01, 2008	May 30, 2008	0.866045
Jun 02, 2008	Jun 30, 2008	0.855065
Jul 01, 2008	Jul 31, 2008	0.843777
Aug 01, 2008	Aug 29, 2008	0.843677
Sep 02, 2008	Sep 30, 2008	0.833425
Oct 01, 2008	Oct 31, 2008	0.816316
	Nov 28, 2008	0.816221
Nov 03, 2008	•	0.804485
Dec 01, 2008	Dec 31, 2008	0.804177
Jan 02, 2009	Jan 30, 2009	0.804073
Feb 02, 2009	Feb 27, 2009	0.795055
Mar 02, 2009	Mar 31, 2009	0.794293
Apr 01, 2009	Apr 30, 2009	0.785536
May 01, 2009	May 29, 2009	0.774924
Jun 01, 2009	Jun 30, 2009	0.774847
Jul 01, 2009	Jul 31, 2009	0.774759
Aug 03, 2009	Aug 31, 2009	0.774529
Sep 01, 2009	Sep 30, 2009	0.766798
Oct 01, 2009	Oct 30, 2009	0.762066
Nov 02, 2009	Nov 30, 2009	0.754900
Dec 01, 2009	Dec 31, 2009	0.753924
Jan 04, 2010	Jan 29, 2010	0.748811
Feb 01, 2010	Feb 26, 2010	0.738227
Mar 01, 2010	Mar 31, 2010	0.725310
Apr 01, 2010	Apr 30, 2010	0.724883
May 03, 2010	May 28, 2010	0.724535
Jun 01, 2010	Jun 30, 2010	0.721064
Jul 01, 2010	Jul 30, 2010	0.711930
Aug 02, 2010	Aug 31, 2010	0.711930
Sep 01, 2010	Sep 30, 2010	0.707438
Oct 01, 2010	Oct 29, 2010	0.700274
Nov 01, 2010	Nov 30, 2010	0.699925
Dec 01, 2010	Dec 31, 2010	0.682918
Jan 03, 2011	Jan 31, 2011	0.682918
Feb 01, 2011	Feb 28, 2011	0.672914
Mar 01, 2011	Mar 31, 2011	0.670572
Apr 01, 2011	Apr 29, 2011	0.670376
May 02, 2011	May 31, 2011	0.661630
Jun 01, 2011	Jun 30, 2011	0.638509
Jul 01, 2011	Jul 29, 2011	0.631955

3A1C Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.620588
Sep 01, 2011	Sep 30, 2011	0.619206
Oct 03, 2011	Oct 31, 2011	0.619206
Nov 01, 2011	Nov 30, 2011	0.619206
Dec 01, 2011	Dec 30, 2011	0.607989
Jan 03, 2012	Jan 31, 2012	0.605736
Feb 01, 2012	Feb 29, 2012	0.605263
Mar 01, 2012	Mar 30, 2012	0.601791
Apr 02, 2012	Apr 30, 2012	0.599878
May 01, 2012	May 31, 2012	0.595396
Jun 01, 2012	Jun 29, 2012	0.590880
Jul 02, 2012	Jul 31, 2012	0.588300
Aug 01, 2012	Aug 31, 2012	0.579683
Sep 04, 2012	Sep 28, 2012	0.579175
Oct 01, 2012	Oct 31, 2012	0.571928
Nov 01, 2012	Nov 30, 2012	0.564042
Dec 03, 2012	Dec 31, 2012	0.558545
Jan 02, 2013	Jan 31, 2013	0.556699
Feb 01, 2013	Feb 28, 2013	0.556603
Mar 01, 2013	Mar 29, 2013	0.553491
Apr 01, 2013	Apr 30, 2013	0.550286
May 01, 2013	May 31, 2013	0.549669
Jun 03, 2013	Jun 28, 2013	0.549033
Jul 01, 2013	Jul 31, 2013	0.536807
Aug 01, 2013	Aug 30, 2013	0.531981
Sep 03, 2013	Sep 30, 2013	0.531521
Oct 01, 2013	Oct 31, 2013	0.531261
Nov 01, 2013	Nov 29, 2013	0.530820
Dec 02, 2013	Dec 31, 2013	0.530483
Jan 02, 2014	Jan 31, 2014	0.528762
Feb 03, 2014	Feb 28, 2014	0.522035
Mar 03, 2014	Mar 31, 2014	0.519474
Apr 01, 2014	Apr 30, 2014	0.515008
May 01, 2014	May 30, 2014	0.498619
Jun 02, 2014	Jun 30, 2014	0.493835
Jul 01, 2014	Jul 31, 2014	0.491773
Aug 01, 2014	Aug 29, 2014	0.491504
Sep 02, 2014	Sep 30, 2014	0.488027
Oct 01, 2014	Oct 31, 2014	0.482894
Nov 03, 2014	Nov 28, 2014	0.478356
Dec 01, 2014	Dec 31, 2014	0.472055
Jan 02, 2015	Jan 30, 2015	0.471863
Feb 02, 2015	Feb 27, 2015	0.471339
Mar 02, 2015	Mar 31, 2015	0.465079
Apr 01, 2015	Apr 30, 2015	0.458546
May 01, 2015	May 29, 2015	0.455407
Jun 01, 2015		0.453897

3A1D Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.00000
Jul 02, 2007	Jul 31, 2007	0.00000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
		0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

3A1D Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

3A1E Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.990629
Jul 02, 2007	Jul 31, 2007	0.990383
Aug 01, 2007	Aug 31, 2007	0.961687
Sep 04, 2007	Sep 28, 2007	0.950037
Oct 01, 2007	Oct 31, 2007	0.949938
Nov 01, 2007	Nov 30, 2007	0.932301
Dec 03, 2007	Dec 31, 2007	0.914747
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.914691
Mar 03, 2008	Mar 31, 2008	0.887341
Apr 01, 2008	Apr 30, 2008	0.866149
May 01, 2008	May 30, 2008	0.866045
Jun 02, 2008	Jun 30, 2008	0.855065
Jul 01, 2008	Jul 31, 2008	0.843777
		0.843677
Aug 01, 2008	Aug 29, 2008	0.833425
Sep 02, 2008	Sep 30, 2008	0.816316
Oct 01, 2008	Oct 31, 2008	0.816221
Nov 03, 2008	Nov 28, 2008	0.804485
Dec 01, 2008	Dec 31, 2008	0.804177
Jan 02, 2009	Jan 30, 2009	0.804073
Feb 02, 2009	Feb 27, 2009	0.795055
Mar 02, 2009	Mar 31, 2009	0.794293
Apr 01, 2009	Apr 30, 2009	0.785536
May 01, 2009	May 29, 2009	0.774924
Jun 01, 2009	Jun 30, 2009	0.774847
Jul 01, 2009	Jul 31, 2009	0.774759
Aug 03, 2009	Aug 31, 2009	0.774529
Sep 01, 2009	Sep 30, 2009	0.766798
Oct 01, 2009	Oct 30, 2009	0.762066
Nov 02, 2009	Nov 30, 2009	0.754900
Dec 01, 2009	Dec 31, 2009	0.753924
Jan 04, 2010	Jan 29, 2010	0.748811
Feb 01, 2010	Feb 26, 2010	0.738227
Mar 01, 2010	Mar 31, 2010	0.725310
Apr 01, 2010	Apr 30, 2010	0.724883
May 03, 2010	May 28, 2010	0.724535
Jun 01, 2010	Jun 30, 2010	0.721064
Jul 01, 2010	Jul 30, 2010	0.711930
Aug 02, 2010	Aug 31, 2010	0.711930
Sep 01, 2010	Sep 30, 2010	0.707438
Oct 01, 2010	Oct 29, 2010	0.700274
Nov 01, 2010	Nov 30, 2010	0.699925
Dec 01, 2010	Dec 31, 2010	0.682918
Jan 03, 2011	Jan 31, 2011	0.682918
Feb 01, 2011	Feb 28, 2011	0.672914
Mar 01, 2011	Mar 31, 2011	0.670572
Apr 01, 2011	Apr 29, 2011	0.670376
May 02, 2011	May 31, 2011	0.661630
Jun 01, 2011	Jun 30, 2011	0.638509
Jul 01, 2011	Jul 29, 2011	0.631955

3A1E Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.620588
Sep 01, 2011	Sep 30, 2011	0.619206
Oct 03, 2011	Oct 31, 2011	0.619206
Nov 01, 2011	Nov 30, 2011	0.619206
Dec 01, 2011	Dec 30, 2011	0.607989
Jan 03, 2012	Jan 31, 2012	0.605736
Feb 01, 2012	Feb 29, 2012	0.605263
Mar 01, 2012	Mar 30, 2012	0.601791
Apr 02, 2012	Apr 30, 2012	0.599878
May 01, 2012	May 31, 2012	0.595396
Jun 01, 2012	Jun 29, 2012	0.590880
Jul 02, 2012	Jul 31, 2012	0.588300
Aug 01, 2012	Aug 31, 2012	0.579683
Sep 04, 2012	Sep 28, 2012	0.579175
Oct 01, 2012	Oct 31, 2012	0.571928
Nov 01, 2012	Nov 30, 2012	0.564042
Dec 03, 2012	Dec 31, 2012	0.558545
Jan 02, 2013	Jan 31, 2013	0.556699
Feb 01, 2013	Feb 28, 2013	0.556603
Mar 01, 2013	Mar 29, 2013	0.553491
Apr 01, 2013	Apr 30, 2013	0.550286
May 01, 2013	May 31, 2013	0.549669
Jun 03, 2013	Jun 28, 2013	0.549033
Jul 01, 2013	Jul 31, 2013	0.536807
Aug 01, 2013	Aug 30, 2013	0.531981
Sep 03, 2013	Sep 30, 2013	0.531521
Oct 01, 2013	Oct 31, 2013	0.531261
Nov 01, 2013	Nov 29, 2013	0.530820
Dec 02, 2013	Dec 31, 2013	0.530483
Jan 02, 2014	Jan 31, 2014	0.528762
Feb 03, 2014	Feb 28, 2014	0.522035
Mar 03, 2014	Mar 31, 2014	0.519474
Apr 01, 2014	Apr 30, 2014	0.515008
May 01, 2014	May 30, 2014	0.498619
Jun 02, 2014	Jun 30, 2014	0.493835
Jul 01, 2014	Jul 31, 2014	0.491773
Aug 01, 2014	Aug 29, 2014	0.491504
Sep 02, 2014	Sep 30, 2014	0.488027
Oct 01, 2014	Oct 31, 2014	0.482894
Nov 03, 2014	Nov 28, 2014	0.478356
Dec 01, 2014	Dec 31, 2014	0.472055
Jan 02, 2015	Jan 30, 2015	0.471863
Feb 02, 2015	Feb 27, 2015	0.471339
Mar 02, 2015	Mar 31, 2015	0.465079
Apr 01, 2015	Apr 30, 2015	0.458546
May 01, 2015	May 29, 2015	0.455407
Jun 01, 2015		0.453897

3A1F Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.000000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	0.000000
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
		0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.00000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
		0.000000
Nov 01, 2010 Dec 01, 2010	Nov 30, 2010 Dec 31, 2010	0.000000
		0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

3A1F Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

3A1G Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.990629
Jul 02, 2007	Jul 31, 2007	0.990383
Aug 01, 2007	Aug 31, 2007	0.961687
Sep 04, 2007	Sep 28, 2007	0.950037
Oct 01, 2007	Oct 31, 2007	0.949938
Nov 01, 2007	Nov 30, 2007	0.932301
Dec 03, 2007	Dec 31, 2007	0.914747
Jan 02, 2008	Jan 31, 2008	0.914691
Feb 01, 2008	Feb 29, 2008	
Mar 03, 2008	Mar 31, 2008	0.887341
Apr 01, 2008	Apr 30, 2008	0.866149
May 01, 2008	May 30, 2008	0.866045
Jun 02, 2008	Jun 30, 2008	0.855065
Jul 01, 2008	Jul 31, 2008	0.843777
Aug 01, 2008	Aug 29, 2008	0.843677
Sep 02, 2008	Sep 30, 2008	0.833425
Oct 01, 2008	Oct 31, 2008	0.816316
	Nov 28, 2008	0.816221
Nov 03, 2008	•	0.804485
Dec 01, 2008	Dec 31, 2008	0.804177
Jan 02, 2009	Jan 30, 2009	0.804073
Feb 02, 2009	Feb 27, 2009	0.795055
Mar 02, 2009	Mar 31, 2009	0.794293
Apr 01, 2009	Apr 30, 2009	0.785536
May 01, 2009	May 29, 2009	0.774924
Jun 01, 2009	Jun 30, 2009	0.774847
Jul 01, 2009	Jul 31, 2009	0.774759
Aug 03, 2009	Aug 31, 2009	0.774529
Sep 01, 2009	Sep 30, 2009	0.766798
Oct 01, 2009	Oct 30, 2009	0.762066
Nov 02, 2009	Nov 30, 2009	0.754900
Dec 01, 2009	Dec 31, 2009	0.753924
Jan 04, 2010	Jan 29, 2010	0.748811
Feb 01, 2010	Feb 26, 2010	0.738227
Mar 01, 2010	Mar 31, 2010	0.725310
Apr 01, 2010	Apr 30, 2010	0.724883
May 03, 2010	May 28, 2010	0.724535
Jun 01, 2010	Jun 30, 2010	0.721064
Jul 01, 2010	Jul 30, 2010	0.711930
Aug 02, 2010	Aug 31, 2010	0.711930
Sep 01, 2010	Sep 30, 2010	0.707438
Oct 01, 2010	Oct 29, 2010	0.700274
Nov 01, 2010	Nov 30, 2010	0.699925
Dec 01, 2010	Dec 31, 2010	0.682918
Jan 03, 2011	Jan 31, 2011	0.682918
Feb 01, 2011	Feb 28, 2011	0.672914
Mar 01, 2011	Mar 31, 2011	0.670572
Apr 01, 2011	Apr 29, 2011	0.670376
May 02, 2011	May 31, 2011	0.661630
Jun 01, 2011	Jun 30, 2011	0.638509
Jul 01, 2011	Jul 29, 2011	0.631955

3A1G Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.620588
Sep 01, 2011	Sep 30, 2011	0.619206
Oct 03, 2011	Oct 31, 2011	0.619206
Nov 01, 2011	Nov 30, 2011	0.619206
Dec 01, 2011	Dec 30, 2011	0.607989
Jan 03, 2012	Jan 31, 2012	0.605736
Feb 01, 2012	Feb 29, 2012	0.605263
Mar 01, 2012	Mar 30, 2012	0.601791
Apr 02, 2012	Apr 30, 2012	0.599878
May 01, 2012	May 31, 2012	0.595396
Jun 01, 2012	Jun 29, 2012	0.590880
Jul 02, 2012	Jul 31, 2012	0.588300
Aug 01, 2012	Aug 31, 2012	0.579683
Sep 04, 2012	Sep 28, 2012	0.579175
Oct 01, 2012	Oct 31, 2012	0.571928
Nov 01, 2012	Nov 30, 2012	0.564042
Dec 03, 2012	Dec 31, 2012	0.558545
Jan 02, 2013	Jan 31, 2013	0.556699
Feb 01, 2013	Feb 28, 2013	0.556603
Mar 01, 2013	Mar 29, 2013	0.553491
Apr 01, 2013	Apr 30, 2013	0.550286
May 01, 2013	May 31, 2013	0.549669
Jun 03, 2013	Jun 28, 2013	0.549033
Jul 01, 2013	Jul 31, 2013	0.536807
Aug 01, 2013	Aug 30, 2013	0.531981
Sep 03, 2013	Sep 30, 2013	0.531521
Oct 01, 2013	Oct 31, 2013	0.531261
Nov 01, 2013	Nov 29, 2013	0.530820
Dec 02, 2013	Dec 31, 2013	0.530483
Jan 02, 2014	Jan 31, 2014	0.528762
Feb 03, 2014	Feb 28, 2014	0.522035
Mar 03, 2014	Mar 31, 2014	0.519474
Apr 01, 2014	Apr 30, 2014	0.515008
May 01, 2014	May 30, 2014	0.498619
Jun 02, 2014	Jun 30, 2014	0.493835
Jul 01, 2014	Jul 31, 2014	0.491773
Aug 01, 2014	Aug 29, 2014	0.491504
Sep 02, 2014	Sep 30, 2014	0.488027
Oct 01, 2014	Oct 31, 2014	0.482894
Nov 03, 2014	Nov 28, 2014	0.478356
Dec 01, 2014	Dec 31, 2014	0.472055
Jan 02, 2015	Jan 30, 2015	0.471863
Feb 02, 2015	Feb 27, 2015	0.471339
Mar 02, 2015	Mar 31, 2015	0.465079
Apr 01, 2015	Apr 30, 2015	0.458546
May 01, 2015	May 29, 2015	0.455407
Jun 01, 2015		0.453897

3A1H Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.00000
Aug 01, 2007	Aug 31, 2007	0.00000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
		0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

3A1H Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

3A1I Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.990629
Jul 02, 2007	Jul 31, 2007	0.990383
Aug 01, 2007	Aug 31, 2007	0.961687
Sep 04, 2007	Sep 28, 2007	0.950037
Oct 01, 2007	Oct 31, 2007	0.949938
Nov 01, 2007	Nov 30, 2007	0.932301
Dec 03, 2007	Dec 31, 2007	0.914747
Jan 02, 2008	Jan 31, 2008	0.914691
Feb 01, 2008	Feb 29, 2008	
Mar 03, 2008	Mar 31, 2008	0.887341
Apr 01, 2008	Apr 30, 2008	0.866149
May 01, 2008	May 30, 2008	0.866045
Jun 02, 2008	Jun 30, 2008	0.855065
Jul 01, 2008	Jul 31, 2008	0.843777
Aug 01, 2008	Aug 29, 2008	0.843677
Sep 02, 2008	Sep 30, 2008	0.833425
Oct 01, 2008	Oct 31, 2008	0.816316
	Nov 28, 2008	0.816221
Nov 03, 2008	•	0.804485
Dec 01, 2008	Dec 31, 2008	0.804177
Jan 02, 2009	Jan 30, 2009	0.804073
Feb 02, 2009	Feb 27, 2009	0.795055
Mar 02, 2009	Mar 31, 2009	0.794293
Apr 01, 2009	Apr 30, 2009	0.785536
May 01, 2009	May 29, 2009	0.774924
Jun 01, 2009	Jun 30, 2009	0.774847
Jul 01, 2009	Jul 31, 2009	0.774759
Aug 03, 2009	Aug 31, 2009	0.774529
Sep 01, 2009	Sep 30, 2009	0.766798
Oct 01, 2009	Oct 30, 2009	0.762066
Nov 02, 2009	Nov 30, 2009	0.754900
Dec 01, 2009	Dec 31, 2009	0.753924
Jan 04, 2010	Jan 29, 2010	0.748811
Feb 01, 2010	Feb 26, 2010	0.738227
Mar 01, 2010	Mar 31, 2010	0.725310
Apr 01, 2010	Apr 30, 2010	0.724883
May 03, 2010	May 28, 2010	0.724535
Jun 01, 2010	Jun 30, 2010	0.721064
Jul 01, 2010	Jul 30, 2010	0.711930
Aug 02, 2010	Aug 31, 2010	0.711930
Sep 01, 2010	Sep 30, 2010	0.707438
Oct 01, 2010	Oct 29, 2010	0.700274
Nov 01, 2010	Nov 30, 2010	0.699925
Dec 01, 2010	Dec 31, 2010	0.682918
Jan 03, 2011	Jan 31, 2011	0.682918
Feb 01, 2011	Feb 28, 2011	0.672914
Mar 01, 2011	Mar 31, 2011	0.670572
Apr 01, 2011	Apr 29, 2011	0.670376
May 02, 2011	May 31, 2011	0.661630
Jun 01, 2011	Jun 30, 2011	0.638509
Jul 01, 2011	Jul 29, 2011	0.631955

3A1I Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.620588
Sep 01, 2011	Sep 30, 2011	0.619206
Oct 03, 2011	Oct 31, 2011	0.619206
Nov 01, 2011	Nov 30, 2011	0.619206
Dec 01, 2011	Dec 30, 2011	0.607989
Jan 03, 2012	Jan 31, 2012	0.605736
Feb 01, 2012	Feb 29, 2012	0.605263
Mar 01, 2012	Mar 30, 2012	0.601791
Apr 02, 2012	Apr 30, 2012	0.599878
May 01, 2012	May 31, 2012	0.595396
Jun 01, 2012	Jun 29, 2012	0.590880
Jul 02, 2012	Jul 31, 2012	0.588300
Aug 01, 2012	Aug 31, 2012	0.579683
Sep 04, 2012	Sep 28, 2012	0.579175
Oct 01, 2012	Oct 31, 2012	0.571928
Nov 01, 2012	Nov 30, 2012	0.564042
Dec 03, 2012	Dec 31, 2012	0.558545
Jan 02, 2013	Jan 31, 2013	0.556699
Feb 01, 2013	Feb 28, 2013	0.556603
Mar 01, 2013	Mar 29, 2013	0.553491
Apr 01, 2013	Apr 30, 2013	0.550286
May 01, 2013	May 31, 2013	0.549669
Jun 03, 2013	Jun 28, 2013	0.549033
Jul 01, 2013	Jul 31, 2013	0.536807
Aug 01, 2013	Aug 30, 2013	0.531981
Sep 03, 2013	Sep 30, 2013	0.531521
Oct 01, 2013	Oct 31, 2013	0.531261
Nov 01, 2013	Nov 29, 2013	0.530820
Dec 02, 2013	Dec 31, 2013	0.530483
Jan 02, 2014	Jan 31, 2014	0.528762
Feb 03, 2014	Feb 28, 2014	0.522035
Mar 03, 2014	Mar 31, 2014	0.519474
Apr 01, 2014	Apr 30, 2014	0.515008
May 01, 2014	May 30, 2014	0.498619
Jun 02, 2014	Jun 30, 2014	0.493835
Jul 01, 2014	Jul 31, 2014	0.491773
Aug 01, 2014	Aug 29, 2014	0.491504
Sep 02, 2014	Sep 30, 2014	0.488027
Oct 01, 2014	Oct 31, 2014	0.482894
Nov 03, 2014	Nov 28, 2014	0.478356
Dec 01, 2014	Dec 31, 2014	0.472055
Jan 02, 2015	Jan 30, 2015	0.471863
Feb 02, 2015	Feb 27, 2015	0.471339
Mar 02, 2015	Mar 31, 2015	0.465079
Apr 01, 2015	Apr 30, 2015	0.458546
May 01, 2015	May 29, 2015	0.455407
Jun 01, 2015		0.453897

3A1J Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.00000
Aug 01, 2007	Aug 31, 2007	0.00000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
		0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

3A1J Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

3A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.990629
Jul 02, 2007	Jul 31, 2007	0.990383
Aug 01, 2007	Aug 31, 2007	0.961687
Sep 04, 2007	Sep 28, 2007	0.950037
Oct 01, 2007	Oct 31, 2007	0.949938
Nov 01, 2007	Nov 30, 2007	0.932301
Dec 03, 2007	Dec 31, 2007	0.914747
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.914691
Mar 03, 2008	Mar 31, 2008	0.887341
Apr 01, 2008	Apr 30, 2008	0.866149
May 01, 2008	May 30, 2008	0.866045
Jun 02, 2008	Jun 30, 2008	0.855066
Jul 01, 2008	Jul 31, 2008	0.843777
Aug 01, 2008	Aug 29, 2008	0.843677
Sep 02, 2008	-	0.833425
. ,	Sep 30, 2008	0.816316
Oct 01, 2008	Oct 31, 2008	0.816221
Nov 03, 2008	Nov 28, 2008	0.804485
Dec 01, 2008	Dec 31, 2008	0.804177
Jan 02, 2009	Jan 30, 2009	0.804073
Feb 02, 2009	Feb 27, 2009	0.795055
Mar 02, 2009	Mar 31, 2009	0.794293
Apr 01, 2009	Apr 30, 2009	0.785536
May 01, 2009	May 29, 2009	0.774924
Jun 01, 2009	Jun 30, 2009	0.774847
Jul 01, 2009	Jul 31, 2009	0.774759
Aug 03, 2009	Aug 31, 2009	0.774529
Sep 01, 2009	Sep 30, 2009	0.766798
Oct 01, 2009	Oct 30, 2009	0.762066
Nov 02, 2009	Nov 30, 2009	0.754900
Dec 01, 2009	Dec 31, 2009	0.753924
Jan 04, 2010	Jan 29, 2010	0.748811
Feb 01, 2010	Feb 26, 2010	0.738227
Mar 01, 2010	Mar 31, 2010	0.725310
Apr 01, 2010	Apr 30, 2010	0.724883
May 03, 2010	May 28, 2010	0.724535
Jun 01, 2010	Jun 30, 2010	0.721064
Jul 01, 2010	Jul 30, 2010	0.711930
Aug 02, 2010	Aug 31, 2010	0.711930
Sep 01, 2010	Sep 30, 2010	0.707438
Oct 01, 2010	Oct 29, 2010	0.700275
Nov 01, 2010	Nov 30, 2010	0.699926
Dec 01, 2010	Dec 31, 2010	0.682919
Jan 03, 2011	Jan 31, 2011	0.682919
Feb 01, 2011	Feb 28, 2011	0.675729
Mar 01, 2011	Mar 31, 2011	0.674050
Apr 01, 2011	Apr 29, 2011	0.673935
May 02, 2011	May 31, 2011	0.668798
Jun 01, 2011	Jun 30, 2011	0.659880
Jul 01, 2011	Jul 29, 2011	0.657352

3A2 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.656821
Sep 01, 2011	Sep 30, 2011	0.656821
Oct 03, 2011	Oct 31, 2011	0.656821
Nov 01, 2011	Nov 30, 2011	0.656821
Dec 01, 2011	Dec 30, 2011	0.656821
Jan 03, 2012	Jan 31, 2012	0.656821
Feb 01, 2012	Feb 29, 2012	0.656821
Mar 01, 2012	Mar 30, 2012	0.656821
Apr 02, 2012	Apr 30, 2012	0.656821
May 01, 2012	May 31, 2012	0.656821
Jun 01, 2012	Jun 29, 2012	0.656821
Jul 02, 2012	Jul 31, 2012	0.656821
Aug 01, 2012	Aug 31, 2012	0.656821
Sep 04, 2012	Sep 28, 2012	0.656821
Oct 01, 2012	Oct 31, 2012	0.656821
Nov 01, 2012	Nov 30, 2012	0.656821
Dec 03, 2012	Dec 31, 2012	0.656821
Jan 02, 2013	Jan 31, 2013	0.656821
Feb 01, 2013	Feb 28, 2013	0.656821
Mar 01, 2013	Mar 29, 2013	0.656821
Apr 01, 2013	Apr 30, 2013	0.656821
May 01, 2013	May 31, 2013	0.656821
Jun 03, 2013	Jun 28, 2013	0.656821
Jul 01, 2013	Jul 31, 2013	0.656821
Aug 01, 2013	Aug 30, 2013	0.656821
Sep 03, 2013	Sep 30, 2013	0.656821
Oct 01, 2013	Oct 31, 2013	0.656821
Nov 01, 2013	Nov 29, 2013	0.656821
Dec 02, 2013	Dec 31, 2013	0.656821
Jan 02, 2014	Jan 31, 2014	0.656821
Feb 03, 2014	Feb 28, 2014	0.656821
Mar 03, 2014	Mar 31, 2014	0.656821
Apr 01, 2014	Apr 30, 2014	0.656821
May 01, 2014	May 30, 2014	0.656821
Jun 02, 2014	Jun 30, 2014	0.656821
Jul 01, 2014	Jul 31, 2014	0.656821
Aug 01, 2014	Aug 29, 2014	0.656821
Sep 02, 2014	Sep 30, 2014	0.656821
Oct 01, 2014	Oct 31, 2014	0.656821
Nov 03, 2014	Nov 28, 2014	0.656821
Dec 01, 2014	Dec 31, 2014	0.656821
Jan 02, 2015	Jan 30, 2015	0.656821
Feb 02, 2015	Feb 27, 2015	0.656821
Mar 02, 2015	Mar 31, 2015	0.656821
Apr 01, 2015	Apr 30, 2015	0.656821
May 01, 2015	May 29, 2015	0.656821
Jun 01, 2015		0.656821

4A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.997818
Jul 02, 2007	Jul 31, 2007	0.997543
Aug 01, 2007	Aug 31, 2007	0.989916
Sep 04, 2007	Sep 28, 2007	0.989766
Oct 01, 2007	Oct 31, 2007	0.984074
Nov 01, 2007	Nov 30, 2007	0.983922
Dec 03, 2007	Dec 31, 2007	0.981626
Jan 02, 2008	Jan 31, 2008	0.963078
Feb 01, 2008	Feb 29, 2008	0.956724
Mar 03, 2008	Mar 31, 2008	0.947740
Apr 01, 2008	Apr 30, 2008	0.930474
May 01, 2008	May 30, 2008	
Jun 02, 2008	Jun 30, 2008	0.921653
Jul 01, 2008	Jul 31, 2008	0.921482
Aug 01, 2008	Aug 29, 2008	0.918862
Sep 02, 2008	Sep 30, 2008	0.918738
Oct 01, 2008	Oct 31, 2008	0.917093
Nov 03, 2008	Nov 28, 2008	0.905523
Dec 01, 2008	Dec 31, 2008	0.905366
Jan 02, 2009	•	0.905366
	Jan 30, 2009	0.901312
Feb 02, 2009	Feb 27, 2009	0.901160
Mar 02, 2009	Mar 31, 2009	0.893904
Apr 01, 2009	Apr 30, 2009	0.883807
May 01, 2009	May 29, 2009	0.881661
Jun 01, 2009	Jun 30, 2009	0.871363
Jul 01, 2009	Jul 31, 2009	0.861685
Aug 03, 2009	Aug 31, 2009	0.835506
Sep 01, 2009	Sep 30, 2009	0.835414
Oct 01, 2009	Oct 30, 2009	0.834718
Nov 02, 2009	Nov 30, 2009	0.828736
Dec 01, 2009	Dec 31, 2009	0.817567
Jan 04, 2010	Jan 29, 2010	0.801541
Feb 01, 2010	Feb 26, 2010	0.797503
Mar 01, 2010	Mar 31, 2010	0.797503
Apr 01, 2010	Apr 30, 2010	0.793556
May 03, 2010	May 28, 2010	0.788653
Jun 01, 2010	Jun 30, 2010	0.788265
Jul 01, 2010	Jul 30, 2010	0.749698
Aug 02, 2010	Aug 31, 2010	0.737818
Sep 01, 2010	Sep 30, 2010	0.733163
Oct 01, 2010	Oct 29, 2010	0.725739
Nov 01, 2010	Nov 30, 2010	0.715040
Dec 01, 2010	Dec 31, 2010	0.714938
Jan 03, 2011	Jan 31, 2011	0.707965
Feb 01, 2011	Feb 28, 2011	0.693960
Mar 01, 2011	Mar 31, 2011	0.693822
Apr 01, 2011	Apr 29, 2011	0.693701
May 02, 2011	May 31, 2011	0.693592
Jun 01, 2011	Jun 30, 2011	0.691842
Jul 01, 2011	Jul 29, 2011	0.688618

4A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.688618
Sep 01, 2011	Sep 30, 2011	0.688618
Oct 03, 2011	Oct 31, 2011	0.688618
Nov 01, 2011	Nov 30, 2011	0.688618
Dec 01, 2011	Dec 30, 2011	0.675929
Jan 03, 2012	Jan 31, 2012	0.673375
Feb 01, 2012	Feb 29, 2012	0.672838
Mar 01, 2012	Mar 30, 2012	0.668876
Apr 02, 2012	Apr 30, 2012	0.666692
May 01, 2012	May 31, 2012	0.661576
Jun 01, 2012	Jun 29, 2012	0.656421
Jul 02, 2012	Jul 31, 2012	0.653477
Aug 01, 2012	Aug 31, 2012	0.643642
Sep 04, 2012	Sep 28, 2012	0.643467
Oct 01, 2012	Oct 31, 2012	0.631267
Nov 01, 2012	Nov 30, 2012	0.622458
Dec 03, 2012	Dec 31, 2012	0.616932
Jan 02, 2013	Jan 31, 2013	0.614909
Feb 01, 2013	Feb 28, 2013	0.614804
Mar 01, 2013	Mar 29, 2013	0.611383
Apr 01, 2013	Apr 30, 2013	0.607878
May 01, 2013	May 31, 2013	0.607878
Jun 03, 2013	Jun 28, 2013	0.586579
Jul 01, 2013	Jul 31, 2013	0.573835
Aug 01, 2013	Aug 30, 2013	0.568912
Sep 03, 2013	Sep 30, 2013	0.568780
Oct 01, 2013	Oct 31, 2013	0.565098
Nov 01, 2013	Nov 29, 2013	0.558025
Dec 02, 2013	Dec 31, 2013	0.535091
Jan 02, 2014	Jan 31, 2014	0.533444
Feb 03, 2014	Feb 28, 2014	0.527099
Mar 03, 2014	Mar 31, 2014	0.524766
Apr 01, 2014	Apr 30, 2014	0.520698
May 01, 2014	May 30, 2014	0.505753
Jun 02, 2014	Jun 30, 2014	0.501391
Jul 01, 2014	Jul 31, 2014	0.499511
Aug 01, 2014	Aug 29, 2014	0.499265
Sep 02, 2014	Sep 30, 2014	0.496101
Oct 01, 2014	Oct 31, 2014	0.491430
Nov 03, 2014	Nov 28, 2014	0.487329
Dec 01, 2014	Dec 31, 2014	0.481671
Jan 02, 2015	Jan 30, 2015	0.481497
Feb 02, 2015	Feb 27, 2015	0.481022
Mar 02, 2015	Mar 31, 2015	0.475348
Apr 01, 2015	Apr 30, 2015	0.469401
May 01, 2015	May 29, 2015	0.466544
Jun 01, 2015		0.465169
		

4A1A Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.997818
Jul 02, 2007	Jul 31, 2007	0.997543
Aug 01, 2007	Aug 31, 2007	0.989916
Sep 04, 2007	Sep 28, 2007	0.989766
Oct 01, 2007	Oct 31, 2007	0.984074
Nov 01, 2007	Nov 30, 2007	0.983922
Dec 03, 2007	Dec 31, 2007	0.981626
Jan 02, 2008	Jan 31, 2008	0.963078
Feb 01, 2008	Feb 29, 2008	0.956724
Mar 03, 2008	Mar 31, 2008	0.947740
Apr 01, 2008	Apr 30, 2008	0.930474
May 01, 2008	May 30, 2008	0.921653
Jun 02, 2008	Jun 30, 2008	0.921482
Jul 01, 2008	Jul 31, 2008	0.918862
Aug 01, 2008	Aug 29, 2008	0.918738
Sep 02, 2008	Sep 30, 2008	0.917093
Oct 01, 2008	Oct 31, 2008	0.905523
Nov 03, 2008	Nov 28, 2008	
Dec 01, 2008	Dec 31, 2008	0.905366
Jan 02, 2009	Jan 30, 2009	0.905366
Feb 02, 2009	Feb 27, 2009	0.901312
Mar 02, 2009	Mar 31, 2009	0.901160
Apr 01, 2009	Apr 30, 2009	0.893904
May 01, 2009	May 29, 2009	0.883807
Jun 01, 2009	Jun 30, 2009	0.881661
Jul 01, 2009	Jul 31, 2009	0.871363
Aug 03, 2009	Aug 31, 2009	0.861685
Sep 01, 2009	Sep 30, 2009	0.835506
Oct 01, 2009	Oct 30, 2009	0.835414 0.834718
Nov 02, 2009	Nov 30, 2009	0.828736
Dec 01, 2009	Dec 31, 2009	0.817567
Jan 04, 2010	Jan 29, 2010	0.801541
Feb 01, 2010	Feb 26, 2010	0.797503
Mar 01, 2010	Mar 31, 2010	0.797503
Apr 01, 2010	Apr 30, 2010	0.793556
May 03, 2010	May 28, 2010	0.788653
Jun 01, 2010	Jun 30, 2010	0.788265
Jul 01, 2010	Jul 30, 2010	0.749698
Aug 02, 2010	Aug 31, 2010	0.737818
Sep 01, 2010	Sep 30, 2010	0.733163
Oct 01, 2010	Oct 29, 2010	0.725739
Nov 01, 2010	Nov 30, 2010	0.715040
Dec 01, 2010	Dec 31, 2010	0.714938
Jan 03, 2011	Jan 31, 2011	0.707965
Feb 01, 2011	Feb 28, 2011	0.693960
Mar 01, 2011	Mar 31, 2011	0.693822
Apr 01, 2011	Apr 29, 2011	0.693701
May 02, 2011	May 31, 2011	0.693592
Jun 01, 2011	Jun 30, 2011	0.691842
Jul 01, 2011	Jul 29, 2011	0.688618

4A1A Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.688618
Sep 01, 2011	Sep 30, 2011	0.688618
Oct 03, 2011	Oct 31, 2011	0.688618
Nov 01, 2011	Nov 30, 2011	0.688618
Dec 01, 2011	Dec 30, 2011	0.675929
Jan 03, 2012	Jan 31, 2012	0.673375
Feb 01, 2012	Feb 29, 2012	0.672838
Mar 01, 2012	Mar 30, 2012	0.668876
Apr 02, 2012	Apr 30, 2012	0.666692
May 01, 2012	May 31, 2012	0.661576
Jun 01, 2012	Jun 29, 2012	0.656421
Jul 02, 2012	Jul 31, 2012	0.653477
Aug 01, 2012	Aug 31, 2012	0.643642
Sep 04, 2012	Sep 28, 2012	0.643467
Oct 01, 2012	Oct 31, 2012	0.631267
Nov 01, 2012	Nov 30, 2012	0.622458
Dec 03, 2012	Dec 31, 2012	0.616932
Jan 02, 2013	Jan 31, 2013	0.614909
Feb 01, 2013	Feb 28, 2013	0.614804
Mar 01, 2013	Mar 29, 2013	0.611383
Apr 01, 2013	Apr 30, 2013	0.607878
May 01, 2013	May 31, 2013	0.607878
Jun 03, 2013	Jun 28, 2013	0.586579
Jul 01, 2013	Jul 31, 2013	0.573835
Aug 01, 2013	Aug 30, 2013	0.568912
Sep 03, 2013	Sep 30, 2013	0.568780
Oct 01, 2013	Oct 31, 2013	0.565098
Nov 01, 2013	Nov 29, 2013	0.558025
Dec 02, 2013	Dec 31, 2013	0.535091
Jan 02, 2014	Jan 31, 2014	0.533444
Feb 03, 2014	Feb 28, 2014	0.527099
Mar 03, 2014	Mar 31, 2014	0.524766
Apr 01, 2014	Apr 30, 2014	0.520698
May 01, 2014	May 30, 2014	0.505753
Jun 02, 2014	Jun 30, 2014	0.501391
Jul 01, 2014	Jul 31, 2014	0.499511
Aug 01, 2014	Aug 29, 2014	0.499265
Sep 02, 2014	Sep 30, 2014	0.496101
Oct 01, 2014	Oct 31, 2014	0.491430
Nov 03, 2014	Nov 28, 2014	0.487329
Dec 01, 2014	Dec 31, 2014	0.481671
Jan 02, 2015	Jan 30, 2015	0.481497
Feb 02, 2015	Feb 27, 2015	0.481022
Mar 02, 2015	Mar 31, 2015	0.475348
Apr 01, 2015	Apr 30, 2015	0.469401
May 01, 2015	May 29, 2015	0.466544
Jun 01, 2015		0.465169

4A1B Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.00000
Jul 02, 2007	Jul 31, 2007	0.00000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
		0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

4A1B Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

4A1C Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.997818
Jul 02, 2007	Jul 31, 2007	0.997543
Aug 01, 2007	Aug 31, 2007	0.989916
Sep 04, 2007	Sep 28, 2007	0.989766
Oct 01, 2007	Oct 31, 2007	0.984074
Nov 01, 2007	Nov 30, 2007	0.983922
Dec 03, 2007	Dec 31, 2007	0.981626
Jan 02, 2008	Jan 31, 2008	0.963078
Feb 01, 2008	Feb 29, 2008	
Mar 03, 2008	Mar 31, 2008	0.956724
Apr 01, 2008	Apr 30, 2008	0.947740
May 01, 2008	May 30, 2008	0.930474
Jun 02, 2008	Jun 30, 2008	0.921653
Jul 01, 2008	Jul 31, 2008	0.921482
Aug 01, 2008	Aug 29, 2008	0.918862
Sep 02, 2008	Sep 30, 2008	0.918738
Oct 01, 2008	Oct 31, 2008	0.917093
		0.905523
Nov 03, 2008	Nov 28, 2008	0.905366
Dec 01, 2008	Dec 31, 2008	0.905366
Jan 02, 2009	Jan 30, 2009	0.901312
Feb 02, 2009	Feb 27, 2009	0.901160
Mar 02, 2009	Mar 31, 2009	0.893904
Apr 01, 2009	Apr 30, 2009	0.883807
May 01, 2009	May 29, 2009	0.881661
Jun 01, 2009	Jun 30, 2009	0.871363
Jul 01, 2009	Jul 31, 2009	0.861685
Aug 03, 2009	Aug 31, 2009	0.835506
Sep 01, 2009	Sep 30, 2009	0.835414
Oct 01, 2009	Oct 30, 2009	0.834718
Nov 02, 2009	Nov 30, 2009	0.828736
Dec 01, 2009	Dec 31, 2009	0.817567
Jan 04, 2010	Jan 29, 2010	0.801541
Feb 01, 2010	Feb 26, 2010	0.797503
Mar 01, 2010	Mar 31, 2010	0.797503
Apr 01, 2010	Apr 30, 2010	0.793556
May 03, 2010	May 28, 2010	0.788653
Jun 01, 2010	Jun 30, 2010	0.788265
Jul 01, 2010	Jul 30, 2010	0.749698
Aug 02, 2010	Aug 31, 2010	0.737818
Sep 01, 2010	Sep 30, 2010	0.733163
Oct 01, 2010	Oct 29, 2010	0.725739
Nov 01, 2010	Nov 30, 2010	0.715040
Dec 01, 2010	Dec 31, 2010	0.714938
Jan 03, 2011	Jan 31, 2011	0.707965
Feb 01, 2011	Feb 28, 2011	0.693960
Mar 01, 2011	Mar 31, 2011	0.693822
Apr 01, 2011	Apr 29, 2011	0.693701
May 02, 2011	May 31, 2011	0.693592
Jun 01, 2011	Jun 30, 2011	0.691842
Jul 01, 2011	Jul 29, 2011	0.688618

4A1C Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.688618
Sep 01, 2011	Sep 30, 2011	0.688618
Oct 03, 2011	Oct 31, 2011	0.688618
Nov 01, 2011	Nov 30, 2011	0.688618
Dec 01, 2011	Dec 30, 2011	0.675929
Jan 03, 2012	Jan 31, 2012	0.673375
Feb 01, 2012	Feb 29, 2012	0.672838
Mar 01, 2012	Mar 30, 2012	0.668876
Apr 02, 2012	Apr 30, 2012	0.666692
May 01, 2012	May 31, 2012	0.661576
Jun 01, 2012	Jun 29, 2012	0.656421
Jul 02, 2012	Jul 31, 2012	0.653477
Aug 01, 2012	Aug 31, 2012	0.643642
Sep 04, 2012	Sep 28, 2012	0.643467
Oct 01, 2012	Oct 31, 2012	0.631267
Nov 01, 2012	Nov 30, 2012	0.622458
Dec 03, 2012	Dec 31, 2012	0.616932
Jan 02, 2013	Jan 31, 2013	0.614909
Feb 01, 2013	Feb 28, 2013	0.614804
Mar 01, 2013	Mar 29, 2013	0.611383
Apr 01, 2013	Apr 30, 2013	0.607878
May 01, 2013	May 31, 2013	0.607878
Jun 03, 2013	Jun 28, 2013	0.586579
Jul 01, 2013	Jul 31, 2013	0.573835
Aug 01, 2013	Aug 30, 2013	0.568912
Sep 03, 2013	Sep 30, 2013	0.568780
Oct 01, 2013	Oct 31, 2013	0.565098
Nov 01, 2013	Nov 29, 2013	0.558025
Dec 02, 2013	Dec 31, 2013	0.535091
Jan 02, 2014	Jan 31, 2014	0.533444
Feb 03, 2014	Feb 28, 2014	0.527099
Mar 03, 2014	Mar 31, 2014	0.524766
Apr 01, 2014	Apr 30, 2014	0.520698
May 01, 2014	May 30, 2014	0.505753
Jun 02, 2014	Jun 30, 2014	0.501391
Jul 01, 2014	Jul 31, 2014	0.499511
Aug 01, 2014	Aug 29, 2014	0.499265
Sep 02, 2014	Sep 30, 2014	0.496101
Oct 01, 2014	Oct 31, 2014	0.491430
Nov 03, 2014	Nov 28, 2014	0.487329
Dec 01, 2014	Dec 31, 2014	0.481671
Jan 02, 2015	Jan 30, 2015	0.481497
Feb 02, 2015	Feb 27, 2015	0.481022
Mar 02, 2015	Mar 31, 2015	0.475348
Apr 01, 2015	Apr 30, 2015	0.469401
May 01, 2015	May 29, 2015	0.466544
Jun 01, 2015		0.465169

4A1D Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.000000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	0.000000
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

4A1D Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000
·		

4A1E Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.997818
Jul 02, 2007	Jul 31, 2007	0.997543
Aug 01, 2007	Aug 31, 2007	0.989916
Sep 04, 2007	Sep 28, 2007	0.989766
Oct 01, 2007	Oct 31, 2007	0.984074
Nov 01, 2007	Nov 30, 2007	0.983922
Dec 03, 2007	Dec 31, 2007	0.981626
Jan 02, 2008	Jan 31, 2008	0.963078
Feb 01, 2008	Feb 29, 2008	
Mar 03, 2008	Mar 31, 2008	0.956724
Apr 01, 2008	Apr 30, 2008	0.947740
May 01, 2008	May 30, 2008	0.930474
Jun 02, 2008	Jun 30, 2008	0.921653
Jul 01, 2008	Jul 31, 2008	0.921482
Aug 01, 2008	Aug 29, 2008	0.918862
Sep 02, 2008	Sep 30, 2008	0.918738
Oct 01, 2008	Oct 31, 2008	0.917093
		0.905523
Nov 03, 2008	Nov 28, 2008	0.905366
Dec 01, 2008	Dec 31, 2008	0.905366
Jan 02, 2009	Jan 30, 2009	0.901312
Feb 02, 2009	Feb 27, 2009	0.901160
Mar 02, 2009	Mar 31, 2009	0.893904
Apr 01, 2009	Apr 30, 2009	0.883807
May 01, 2009	May 29, 2009	0.881661
Jun 01, 2009	Jun 30, 2009	0.871363
Jul 01, 2009	Jul 31, 2009	0.861685
Aug 03, 2009	Aug 31, 2009	0.835506
Sep 01, 2009	Sep 30, 2009	0.835414
Oct 01, 2009	Oct 30, 2009	0.834718
Nov 02, 2009	Nov 30, 2009	0.828736
Dec 01, 2009	Dec 31, 2009	0.817567
Jan 04, 2010	Jan 29, 2010	0.801541
Feb 01, 2010	Feb 26, 2010	0.797503
Mar 01, 2010	Mar 31, 2010	0.797503
Apr 01, 2010	Apr 30, 2010	0.793556
May 03, 2010	May 28, 2010	0.788653
Jun 01, 2010	Jun 30, 2010	0.788265
Jul 01, 2010	Jul 30, 2010	0.749698
Aug 02, 2010	Aug 31, 2010	0.737818
Sep 01, 2010	Sep 30, 2010	0.733163
Oct 01, 2010	Oct 29, 2010	0.725739
Nov 01, 2010	Nov 30, 2010	0.715040
Dec 01, 2010	Dec 31, 2010	0.714938
Jan 03, 2011	Jan 31, 2011	0.707965
Feb 01, 2011	Feb 28, 2011	0.693960
Mar 01, 2011	Mar 31, 2011	0.693822
Apr 01, 2011	Apr 29, 2011	0.693701
May 02, 2011	May 31, 2011	0.693592
Jun 01, 2011	Jun 30, 2011	0.691842
Jul 01, 2011	Jul 29, 2011	0.688618

4A1E Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.688618
Sep 01, 2011	Sep 30, 2011	0.688618
Oct 03, 2011	Oct 31, 2011	0.688618
Nov 01, 2011	Nov 30, 2011	0.688618
Dec 01, 2011	Dec 30, 2011	0.675929
Jan 03, 2012	Jan 31, 2012	0.673375
Feb 01, 2012	Feb 29, 2012	0.672838
Mar 01, 2012	Mar 30, 2012	0.668876
Apr 02, 2012	Apr 30, 2012	0.666692
May 01, 2012	May 31, 2012	0.661576
Jun 01, 2012	Jun 29, 2012	0.656421
Jul 02, 2012	Jul 31, 2012	0.653477
Aug 01, 2012	Aug 31, 2012	0.643642
Sep 04, 2012	Sep 28, 2012	0.643467
Oct 01, 2012	Oct 31, 2012	0.631267
Nov 01, 2012	Nov 30, 2012	0.622458
Dec 03, 2012	Dec 31, 2012	0.616932
Jan 02, 2013	Jan 31, 2013	0.614909
Feb 01, 2013	Feb 28, 2013	0.614804
Mar 01, 2013	Mar 29, 2013	0.611383
Apr 01, 2013	Apr 30, 2013	0.607878
May 01, 2013	May 31, 2013	0.607878
Jun 03, 2013	Jun 28, 2013	0.586579
Jul 01, 2013	Jul 31, 2013	0.573835
Aug 01, 2013	Aug 30, 2013	0.568912
Sep 03, 2013	Sep 30, 2013	0.568780
Oct 01, 2013	Oct 31, 2013	0.565098
Nov 01, 2013	Nov 29, 2013	0.558025
Dec 02, 2013	Dec 31, 2013	0.535091
Jan 02, 2014	Jan 31, 2014	0.533444
Feb 03, 2014	Feb 28, 2014	0.527099
Mar 03, 2014	Mar 31, 2014	0.524766
Apr 01, 2014	Apr 30, 2014	0.520698
May 01, 2014	May 30, 2014	0.505753
Jun 02, 2014	Jun 30, 2014	0.501391
Jul 01, 2014	Jul 31, 2014	0.499511
Aug 01, 2014	Aug 29, 2014	0.499265
Sep 02, 2014	Sep 30, 2014	0.496101
Oct 01, 2014	Oct 31, 2014	0.491430
Nov 03, 2014	Nov 28, 2014	0.487329
Dec 01, 2014	Dec 31, 2014	0.481671
Jan 02, 2015	Jan 30, 2015	0.481497
Feb 02, 2015	Feb 27, 2015	0.481022
Mar 02, 2015	Mar 31, 2015	0.475348
Apr 01, 2015	Apr 30, 2015	0.469401
May 01, 2015	May 29, 2015	0.466544
Jun 01, 2015		0.465169

4A1F Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.000000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	0.000000
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
		0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.00000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
		0.000000
Nov 01, 2010 Dec 01, 2010	Nov 30, 2010 Dec 31, 2010	0.000000
		0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

4A1F Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

4A1G Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.997818
Jul 02, 2007	Jul 31, 2007	0.997543
Aug 01, 2007	Aug 31, 2007	0.989916
Sep 04, 2007	Sep 28, 2007	0.989766
Oct 01, 2007	Oct 31, 2007	0.984074
Nov 01, 2007	Nov 30, 2007	0.983922
Dec 03, 2007	Dec 31, 2007	0.981626
Jan 02, 2008	Jan 31, 2008	0.963078
Feb 01, 2008	Feb 29, 2008	0.956724
Mar 03, 2008	Mar 31, 2008	0.947740
Apr 01, 2008	Apr 30, 2008	0.930474
May 01, 2008	May 30, 2008	0.921653
Jun 02, 2008	Jun 30, 2008	0.921482
Jul 01, 2008	Jul 31, 2008	0.918862
Aug 01, 2008	Aug 29, 2008	0.918738
Sep 02, 2008	Sep 30, 2008	0.917093
Oct 01, 2008	Oct 31, 2008	0.905523
Nov 03, 2008	Nov 28, 2008	
Dec 01, 2008	Dec 31, 2008	0.905366
Jan 02, 2009	Jan 30, 2009	0.905366
Feb 02, 2009	Feb 27, 2009	0.901312
Mar 02, 2009	Mar 31, 2009	0.901160
Apr 01, 2009	Apr 30, 2009	0.893904
May 01, 2009	May 29, 2009	0.883807
Jun 01, 2009	Jun 30, 2009	0.881661
Jul 01, 2009	Jul 31, 2009	0.871363
Aug 03, 2009	Aug 31, 2009	0.861685
Sep 01, 2009	Sep 30, 2009	0.835506
Oct 01, 2009	Oct 30, 2009	0.835414 0.834718
Nov 02, 2009	Nov 30, 2009	0.828736
Dec 01, 2009	Dec 31, 2009	0.817567
Jan 04, 2010	Jan 29, 2010	0.801541
Feb 01, 2010	Feb 26, 2010	0.797503
Mar 01, 2010	Mar 31, 2010	0.797503
Apr 01, 2010	Apr 30, 2010	0.793556
May 03, 2010	May 28, 2010	0.788653
Jun 01, 2010	Jun 30, 2010	0.788265
Jul 01, 2010	Jul 30, 2010	0.749698
Aug 02, 2010	Aug 31, 2010	0.737818
Sep 01, 2010	Sep 30, 2010	0.733163
Oct 01, 2010	Oct 29, 2010	0.725739
Nov 01, 2010	Nov 30, 2010	0.715040
Dec 01, 2010	Dec 31, 2010	0.714938
Jan 03, 2011	Jan 31, 2011	0.707965
Feb 01, 2011	Feb 28, 2011	0.693960
Mar 01, 2011	Mar 31, 2011	0.693822
Apr 01, 2011	Apr 29, 2011	0.693701
May 02, 2011	May 31, 2011	0.693592
Jun 01, 2011	Jun 30, 2011	0.691842
Jul 01, 2011	Jul 29, 2011	0.688618

4A1G Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.688618
Sep 01, 2011	Sep 30, 2011	0.688618
Oct 03, 2011	Oct 31, 2011	0.688618
Nov 01, 2011	Nov 30, 2011	0.688618
Dec 01, 2011	Dec 30, 2011	0.675929
Jan 03, 2012	Jan 31, 2012	0.673375
Feb 01, 2012	Feb 29, 2012	0.672838
Mar 01, 2012	Mar 30, 2012	0.668876
Apr 02, 2012	Apr 30, 2012	0.666692
May 01, 2012	May 31, 2012	0.661576
Jun 01, 2012	Jun 29, 2012	0.656421
Jul 02, 2012	Jul 31, 2012	0.653477
Aug 01, 2012	Aug 31, 2012	0.643642
Sep 04, 2012	Sep 28, 2012	0.643467
Oct 01, 2012	Oct 31, 2012	0.631267
Nov 01, 2012	Nov 30, 2012	0.622458
Dec 03, 2012	Dec 31, 2012	0.616932
Jan 02, 2013	Jan 31, 2013	0.614909
Feb 01, 2013	Feb 28, 2013	0.614804
Mar 01, 2013	Mar 29, 2013	0.611383
Apr 01, 2013	Apr 30, 2013	0.607878
May 01, 2013	May 31, 2013	0.607878
Jun 03, 2013	Jun 28, 2013	0.586579
Jul 01, 2013	Jul 31, 2013	0.573835
Aug 01, 2013	Aug 30, 2013	0.568912
Sep 03, 2013	Sep 30, 2013	0.568780
Oct 01, 2013	Oct 31, 2013	0.565098
Nov 01, 2013	Nov 29, 2013	0.558025
Dec 02, 2013	Dec 31, 2013	0.535091
Jan 02, 2014	Jan 31, 2014	0.533444
Feb 03, 2014	Feb 28, 2014	0.527099
Mar 03, 2014	Mar 31, 2014	0.524766
Apr 01, 2014	Apr 30, 2014	0.520698
May 01, 2014	May 30, 2014	0.505753
Jun 02, 2014	Jun 30, 2014	0.501391
Jul 01, 2014	Jul 31, 2014	0.499511
Aug 01, 2014	Aug 29, 2014	0.499265
Sep 02, 2014	Sep 30, 2014	0.496101
Oct 01, 2014	Oct 31, 2014	0.491430
Nov 03, 2014	Nov 28, 2014	0.487329
Dec 01, 2014	Dec 31, 2014	0.481671
Jan 02, 2015	Jan 30, 2015	0.481497
Feb 02, 2015	Feb 27, 2015	0.481022
Mar 02, 2015	Mar 31, 2015	0.475348
Apr 01, 2015	Apr 30, 2015	0.469401
May 01, 2015	May 29, 2015	0.466544
Jun 01, 2015		0.465169

4A1H Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.00000
Aug 01, 2007	Aug 31, 2007	0.00000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
		0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

4A1H Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000
	-	

4A1I Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.997818
Jul 02, 2007	Jul 31, 2007	0.997543
Aug 01, 2007	Aug 31, 2007	0.989916
Sep 04, 2007	Sep 28, 2007	0.989766
Oct 01, 2007	Oct 31, 2007	0.984074
Nov 01, 2007	Nov 30, 2007	0.983922
Dec 03, 2007	Dec 31, 2007	0.981626
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.963078
Mar 03, 2008	Mar 31, 2008	0.956724
Apr 01, 2008	Apr 30, 2008	0.947740
May 01, 2008	May 30, 2008	0.930474
Jun 02, 2008	Jun 30, 2008	0.921653
Jul 01, 2008	Jul 31, 2008	0.921482
		0.918862
Aug 01, 2008	Aug 29, 2008	0.918738
Sep 02, 2008	Sep 30, 2008	0.917093
Oct 01, 2008	Oct 31, 2008	0.905523
Nov 03, 2008	Nov 28, 2008	0.905366
Dec 01, 2008	Dec 31, 2008	0.905366
Jan 02, 2009	Jan 30, 2009	0.901312
Feb 02, 2009	Feb 27, 2009	0.901160
Mar 02, 2009	Mar 31, 2009	0.893904
Apr 01, 2009	Apr 30, 2009	0.883807
May 01, 2009	May 29, 2009	0.881661
Jun 01, 2009	Jun 30, 2009	0.871363
Jul 01, 2009	Jul 31, 2009	0.861685
Aug 03, 2009	Aug 31, 2009	0.835506
Sep 01, 2009	Sep 30, 2009	0.835414
Oct 01, 2009	Oct 30, 2009	0.834718
Nov 02, 2009	Nov 30, 2009	0.828736
Dec 01, 2009	Dec 31, 2009	0.817567
Jan 04, 2010	Jan 29, 2010	0.801541
Feb 01, 2010	Feb 26, 2010	0.797503
Mar 01, 2010	Mar 31, 2010	0.797503
Apr 01, 2010	Apr 30, 2010	0.793556
May 03, 2010	May 28, 2010	0.788653
Jun 01, 2010	Jun 30, 2010	0.788265
Jul 01, 2010	Jul 30, 2010	0.749698
Aug 02, 2010	Aug 31, 2010	0.737818
Sep 01, 2010	Sep 30, 2010	0.733163
Oct 01, 2010	Oct 29, 2010	0.725739
Nov 01, 2010	Nov 30, 2010	0.715040
Dec 01, 2010	Dec 31, 2010	0.714938
Jan 03, 2011	Jan 31, 2011	0.707965
Feb 01, 2011	Feb 28, 2011	0.693960
Mar 01, 2011	Mar 31, 2011	0.693822
Apr 01, 2011	Apr 29, 2011	0.693701
May 02, 2011	May 31, 2011	0.693592
Jun 01, 2011	Jun 30, 2011	0.691842
Jul 01, 2011	Jul 29, 2011	0.688618

4A1I Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.688618
Sep 01, 2011	Sep 30, 2011	0.688618
Oct 03, 2011	Oct 31, 2011	0.688618
Nov 01, 2011	Nov 30, 2011	0.688618
Dec 01, 2011	Dec 30, 2011	0.675929
Jan 03, 2012	Jan 31, 2012	0.673375
Feb 01, 2012	Feb 29, 2012	0.672838
Mar 01, 2012	Mar 30, 2012	0.668876
Apr 02, 2012	Apr 30, 2012	0.666692
May 01, 2012	May 31, 2012	0.661576
Jun 01, 2012	Jun 29, 2012	0.656421
Jul 02, 2012	Jul 31, 2012	0.653477
Aug 01, 2012	Aug 31, 2012	0.643642
Sep 04, 2012	Sep 28, 2012	0.643467
Oct 01, 2012	Oct 31, 2012	0.631267
Nov 01, 2012	Nov 30, 2012	0.622458
Dec 03, 2012	Dec 31, 2012	0.616932
Jan 02, 2013	Jan 31, 2013	0.614909
Feb 01, 2013	Feb 28, 2013	0.614804
Mar 01, 2013	Mar 29, 2013	0.611383
Apr 01, 2013	Apr 30, 2013	0.607878
May 01, 2013	May 31, 2013	0.607878
Jun 03, 2013	Jun 28, 2013	0.586579
Jul 01, 2013	Jul 31, 2013	0.573835
Aug 01, 2013	Aug 30, 2013	0.568912
Sep 03, 2013	Sep 30, 2013	0.568780
Oct 01, 2013	Oct 31, 2013	0.565098
Nov 01, 2013	Nov 29, 2013	0.558025
Dec 02, 2013	Dec 31, 2013	0.535091
Jan 02, 2014	Jan 31, 2014	0.533444
Feb 03, 2014	Feb 28, 2014	0.527099
Mar 03, 2014	Mar 31, 2014	0.524766
Apr 01, 2014	Apr 30, 2014	0.520698
May 01, 2014	May 30, 2014	0.505753
Jun 02, 2014	Jun 30, 2014	0.501391
Jul 01, 2014	Jul 31, 2014	0.499511
Aug 01, 2014	Aug 29, 2014	0.499265
Sep 02, 2014	Sep 30, 2014	0.496101
Oct 01, 2014	Oct 31, 2014	0.491430
Nov 03, 2014	Nov 28, 2014	0.487329
Dec 01, 2014	Dec 31, 2014	0.481671
Jan 02, 2015	Jan 30, 2015	0.481497
Feb 02, 2015	Feb 27, 2015	0.481022
Mar 02, 2015	Mar 31, 2015	0.475348
Apr 01, 2015	Apr 30, 2015	0.469401
May 01, 2015	May 29, 2015	0.466544
Jun 01, 2015		0.465169
		

4A1J Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.000000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	0.000000
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
	Apr 30, 2008	0.000000
Apr 01, 2008	• •	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
•	•	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010 May 28, 2010	0.000000
May 03, 2010		0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

4A1J Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.00000
Nov 01, 2012	Nov 30, 2012	0.00000
Dec 03, 2012	Dec 31, 2012	0.00000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.00000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.00000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.00000
Oct 01, 2014	Oct 31, 2014	0.00000
Nov 03, 2014	Nov 28, 2014	0.00000
Dec 01, 2014	Dec 31, 2014	0.00000
Jan 02, 2015	Jan 30, 2015	0.00000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000
		0.00000

4A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.997818
Jul 02, 2007	Jul 31, 2007	0.997543
Aug 01, 2007	Aug 31, 2007	0.989916
Sep 04, 2007	Sep 28, 2007	0.989766
Oct 01, 2007	Oct 31, 2007	0.984074
Nov 01, 2007	Nov 30, 2007	
Dec 03, 2007	Dec 31, 2007	0.983922 0.981626
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.963078
Mar 03, 2008	Mar 31, 2008	0.956724
Apr 01, 2008	Apr 30, 2008	0.947740
		0.930474
May 01, 2008	May 30, 2008	0.921653
Jun 02, 2008	Jun 30, 2008	0.921482
Jul 01, 2008	Jul 31, 2008	0.918862
Aug 01, 2008	Aug 29, 2008	0.918738
Sep 02, 2008	Sep 30, 2008	0.917093
Oct 01, 2008	Oct 31, 2008	0.905523
Nov 03, 2008	Nov 28, 2008	0.905366
Dec 01, 2008	Dec 31, 2008	0.905366
Jan 02, 2009	Jan 30, 2009	0.901312
Feb 02, 2009	Feb 27, 2009	0.901160
Mar 02, 2009	Mar 31, 2009	0.893904
Apr 01, 2009	Apr 30, 2009	0.883807
May 01, 2009	May 29, 2009	0.881661
Jun 01, 2009	Jun 30, 2009	0.871363
Jul 01, 2009	Jul 31, 2009	
Aug 03, 2009	Aug 31, 2009	0.861685
Sep 01, 2009	Sep 30, 2009	0.835506
Oct 01, 2009	Oct 30, 2009	0.835414 0.834718
Nov 02, 2009	Nov 30, 2009	
Dec 01, 2009	Dec 31, 2009	0.828736
Jan 04, 2010	Jan 29, 2010	0.817567
Feb 01, 2010	Feb 26, 2010	0.801541
Mar 01, 2010	Mar 31, 2010	0.797503
Apr 01, 2010	Apr 30, 2010	0.797503
May 03, 2010	May 28, 2010	0.793556
Jun 01, 2010	Jun 30, 2010	0.788653
Jul 01, 2010	Jul 30, 2010	0.788265
Aug 02, 2010	Aug 31, 2010	0.749698
Sep 01, 2010	Sep 30, 2010	0.737818
Oct 01, 2010	Oct 29, 2010	0.733493
Nov 01, 2010	Nov 30, 2010	0.726757
Dec 01, 2010	Dec 31, 2010	0.717052
Jan 03, 2011	Jan 31, 2011	0.716959
Feb 01, 2011	Feb 28, 2011	0.710588
Mar 01, 2011	Mar 31, 2011	0.697792
Apr 01, 2011	Apr 29, 2011	0.697665
May 02, 2011	May 31, 2011	0.697555
Jun 01, 2011	Jun 30, 2011	0.697456
Jul 01, 2011	Jul 29, 2011	0.695856
Jul U1, 2U11	Jul 23, 2011	0.692909

4A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.692909
Sep 01, 2011	Sep 30, 2011	0.692909
Oct 03, 2011	Oct 31, 2011	0.692909
Nov 01, 2011	Nov 30, 2011	0.692909
Dec 01, 2011	Dec 30, 2011	0.681310
Jan 03, 2012	Jan 31, 2012	0.678976
Feb 01, 2012	Feb 29, 2012	0.678485
Mar 01, 2012	Mar 30, 2012	0.674863
Apr 02, 2012	Apr 30, 2012	0.673500
May 01, 2012	May 31, 2012	0.670422
Jun 01, 2012	Jun 29, 2012	0.668720
Jul 02, 2012	Jul 31, 2012	0.668379
Aug 01, 2012	Aug 31, 2012	0.667239
Sep 04, 2012	Sep 28, 2012	0.667239
Oct 01, 2012	Oct 31, 2012	0.667239
Nov 01, 2012	Nov 30, 2012	0.667239
Dec 03, 2012	Dec 31, 2012	0.667239
Jan 02, 2013	Jan 31, 2013	0.667239
Feb 01, 2013	Feb 28, 2013	0.667239
Mar 01, 2013	Mar 29, 2013	0.667239
Apr 01, 2013	Apr 30, 2013	0.667239
May 01, 2013	May 31, 2013	0.667239
Jun 03, 2013	Jun 28, 2013	0.667239
Jul 01, 2013	Jul 31, 2013	0.667239
Aug 01, 2013	Aug 30, 2013	0.667239
Sep 03, 2013	Sep 30, 2013	0.667239
Oct 01, 2013	Oct 31, 2013	0.667239
Nov 01, 2013	Nov 29, 2013	0.667239
Dec 02, 2013	Dec 31, 2013	0.667239
Jan 02, 2014	Jan 31, 2014	0.667239
Feb 03, 2014	Feb 28, 2014	0.667239
Mar 03, 2014	Mar 31, 2014	0.667239
Apr 01, 2014	Apr 30, 2014	0.667239
May 01, 2014	May 30, 2014	0.667239
Jun 02, 2014	Jun 30, 2014	0.667239
Jul 01, 2014	Jul 31, 2014	0.667239
Aug 01, 2014	Aug 29, 2014	0.667239
Sep 02, 2014	Sep 30, 2014	0.667239
Oct 01, 2014	Oct 31, 2014	0.667239
Nov 03, 2014	Nov 28, 2014	0.667239
Dec 01, 2014	Dec 31, 2014	0.667239
Jan 02, 2015	Jan 30, 2015	0.667239
Feb 02, 2015	Feb 27, 2015	0.667239
Mar 02, 2015	Mar 31, 2015	0.667239
Apr 01, 2015	Apr 30, 2015	0.667239
May 01, 2015	May 29, 2015	0.667239
Jun 01, 2015		0.667239

CB1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.999924
Jul 02, 2007	Jul 31, 2007	0.999846
Aug 01, 2007	Aug 31, 2007	0.999769
Sep 04, 2007	Sep 28, 2007	0.999696
Oct 01, 2007	Oct 31, 2007	0.999626
Nov 01, 2007	Nov 30, 2007	0.999556
Dec 03, 2007	Dec 31, 2007	0.999485
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.999414
Mar 03, 2008	Mar 31, 2008	0.999342
Apr 01, 2008	Apr 30, 2008	0.999268
May 01, 2008	May 30, 2008	0.999198
Jun 02, 2008	Jun 30, 2008	0.999126
Jul 01, 2008	Jul 31, 2008	0.999057
Aug 01, 2008	Aug 29, 2008	0.998987
		0.998917
Sep 02, 2008	Sep 30, 2008	0.998845
Oct 01, 2008	Oct 31, 2008	0.998773
Nov 03, 2008	Nov 28, 2008	0.998701
Dec 01, 2008	Dec 31, 2008	0.998630
Jan 02, 2009	Jan 30, 2009	0.998555
Feb 02, 2009	Feb 27, 2009	0.998475
Mar 02, 2009	Mar 31, 2009	0.998394
Apr 01, 2009	Apr 30, 2009	0.998312
May 01, 2009	May 29, 2009	0.998232
Jun 01, 2009	Jun 30, 2009	0.998150
Jul 01, 2009	Jul 31, 2009	0.998066
Aug 03, 2009	Aug 31, 2009	0.997986
Sep 01, 2009	Sep 30, 2009	0.997904
Oct 01, 2009	Oct 30, 2009	0.997821
Nov 02, 2009	Nov 30, 2009	0.997734
Dec 01, 2009	Dec 31, 2009	0.997734
Jan 04, 2010	Jan 29, 2010	0.997734
Feb 01, 2010	Feb 26, 2010	0.997734
Mar 01, 2010	Mar 31, 2010	0.997734
Apr 01, 2010	Apr 30, 2010	0.997734
May 03, 2010	May 28, 2010	0.997734
Jun 01, 2010	Jun 30, 2010	0.997734
Jul 01, 2010	Jul 30, 2010	0.997734
Aug 02, 2010	Aug 31, 2010	0.997734
Sep 01, 2010	Sep 30, 2010	0.997734
Oct 01, 2010	Oct 29, 2010	0.997734
Nov 01, 2010	Nov 30, 2010	0.997734
Dec 01, 2010	Dec 31, 2010	0.997734
Jan 03, 2011	Jan 31, 2011	0.997734
Feb 01, 2011	Feb 28, 2011	0.997734
Mar 01, 2011	Mar 31, 2011	0.997734
Apr 01, 2011	Apr 29, 2011	0.997734
May 02, 2011	May 31, 2011	0.997734
Jun 01, 2011	Jun 30, 2011	0.997734
Jul 01, 2011	Jul 29, 2011	0.997734

CB1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.997734
Sep 01, 2011	Sep 30, 2011	0.997734
Oct 03, 2011	Oct 31, 2011	0.997734
Nov 01, 2011	Nov 30, 2011	0.997734
Dec 01, 2011	Dec 30, 2011	0.997734
Jan 03, 2012	Jan 31, 2012	0.997734
Feb 01, 2012	Feb 29, 2012	0.997734
Mar 01, 2012	Mar 30, 2012	0.997734
Apr 02, 2012	Apr 30, 2012	0.997734
May 01, 2012	May 31, 2012	0.997734
Jun 01, 2012	Jun 29, 2012	0.997734
Jul 02, 2012	Jul 31, 2012	0.997734
Aug 01, 2012	Aug 31, 2012	0.997734
Sep 04, 2012	Sep 28, 2012	0.997734
Oct 01, 2012	Oct 31, 2012	0.997734
Nov 01, 2012	Nov 30, 2012	0.997734
Dec 03, 2012	Dec 31, 2012	0.997734
Jan 02, 2013	Jan 31, 2013	0.997734
Feb 01, 2013	Feb 28, 2013	0.997734
Mar 01, 2013	Mar 29, 2013	0.997734
Apr 01, 2013	Apr 30, 2013	0.997734
May 01, 2013	May 31, 2013	0.997734
Jun 03, 2013	Jun 28, 2013	0.997734
Jul 01, 2013	Jul 31, 2013	0.997734
Aug 01, 2013	Aug 30, 2013	0.997734
Sep 03, 2013	Sep 30, 2013	0.997734
Oct 01, 2013	Oct 31, 2013	0.997734
Nov 01, 2013	Nov 29, 2013	0.997734
Dec 02, 2013	Dec 31, 2013	0.997734
Jan 02, 2014	Jan 31, 2014	0.997734
Feb 03, 2014	Feb 28, 2014	0.997734
Mar 03, 2014	Mar 31, 2014	0.997734
Apr 01, 2014	Apr 30, 2014	0.997734
May 01, 2014	May 30, 2014	0.997734
Jun 02, 2014	Jun 30, 2014	0.997734
Jul 01, 2014	Jul 31, 2014	0.997734
Aug 01, 2014	Aug 29, 2014	0.997734
Sep 02, 2014	Sep 30, 2014	0.997734
Oct 01, 2014	Oct 31, 2014	0.997734
Nov 03, 2014	Nov 28, 2014	0.997734
Dec 01, 2014	Dec 31, 2014	0.997734
Jan 02, 2015	Jan 30, 2015	0.997734
Feb 02, 2015	Feb 27, 2015	0.997734
Mar 02, 2015	Mar 31, 2015	0.997734
Apr 01, 2015	Apr 30, 2015	0.997734
May 01, 2015	May 29, 2015	0.997734
Jun 01, 2015		0.997734

CB2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.999924
Jul 02, 2007	Jul 31, 2007	0.999846
Aug 01, 2007	Aug 31, 2007	0.999769
Sep 04, 2007	Sep 28, 2007	0.999696
Oct 01, 2007	Oct 31, 2007	
Nov 01, 2007	Nov 30, 2007	0.999626
Dec 03, 2007	Dec 31, 2007	0.999556
Jan 02, 2008	Jan 31, 2008	0.999485
Feb 01, 2008	Feb 29, 2008	0.999414
Mar 03, 2008	Mar 31, 2008	0.999342
		0.999268
Apr 01, 2008	Apr 30, 2008	0.999198
May 01, 2008	May 30, 2008	0.999126
Jun 02, 2008	Jun 30, 2008	0.999057
Jul 01, 2008	Jul 31, 2008	0.998987
Aug 01, 2008	Aug 29, 2008	0.998917
Sep 02, 2008	Sep 30, 2008	0.998845
Oct 01, 2008	Oct 31, 2008	0.998773
Nov 03, 2008	Nov 28, 2008	0.998701
Dec 01, 2008	Dec 31, 2008	0.998630
Jan 02, 2009	Jan 30, 2009	0.998555
Feb 02, 2009	Feb 27, 2009	0.998475
Mar 02, 2009	Mar 31, 2009	0.998394
Apr 01, 2009	Apr 30, 2009	0.998312
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	0.998232
Jul 01, 2009	Jul 31, 2009	0.998150
Aug 03, 2009	Aug 31, 2009	0.998066
Sep 01, 2009	Sep 30, 2009	0.997987
Oct 01, 2009	Oct 30, 2009	0.997904
Nov 02, 2009	Nov 30, 2009	0.997821
Dec 01, 2009	Dec 31, 2009	0.997821
Jan 04, 2010	Jan 29, 2010	0.997821
Feb 01, 2010	Feb 26, 2010	0.997821
Mar 01, 2010	Mar 31, 2010	0.997821
Apr 01, 2010	Apr 30, 2010	0.997821
May 03, 2010	May 28, 2010	0.997821
Jun 01, 2010	Jun 30, 2010	0.997821
Jul 01, 2010	Jul 30, 2010	0.997821
Aug 02, 2010		0.997821
	Aug 31, 2010	0.997821
Sep 01, 2010	Sep 30, 2010	0.997821
Oct 01, 2010	Oct 29, 2010	0.997821
Nov 01, 2010	Nov 30, 2010	0.997821
Dec 01, 2010	Dec 31, 2010	0.997821
Jan 03, 2011	Jan 31, 2011	0.997821
Feb 01, 2011	Feb 28, 2011	0.997821
Mar 01, 2011	Mar 31, 2011	0.997821
Apr 01, 2011	Apr 29, 2011	0.997821
May 02, 2011	May 31, 2011	0.997821
Jun 01, 2011	Jun 30, 2011	0.997821
Jul 01, 2011	Jul 29, 2011	0.997821

CB2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.997821
Sep 01, 2011	Sep 30, 2011	0.997821
Oct 03, 2011	Oct 31, 2011	0.997821
Nov 01, 2011	Nov 30, 2011	0.997821
Dec 01, 2011	Dec 30, 2011	0.997821
Jan 03, 2012	Jan 31, 2012	0.997821
Feb 01, 2012	Feb 29, 2012	0.997821
Mar 01, 2012	Mar 30, 2012	0.997821
Apr 02, 2012	Apr 30, 2012	0.997821
May 01, 2012	May 31, 2012	0.997821
Jun 01, 2012	Jun 29, 2012	0.997821
Jul 02, 2012	Jul 31, 2012	0.997821
Aug 01, 2012	Aug 31, 2012	0.997821
Sep 04, 2012	Sep 28, 2012	0.997821
Oct 01, 2012	Oct 31, 2012	0.997821
Nov 01, 2012	Nov 30, 2012	0.997821
Dec 03, 2012	Dec 31, 2012	0.997821
Jan 02, 2013	Jan 31, 2013	0.997821
Feb 01, 2013	Feb 28, 2013	0.997821
Mar 01, 2013	Mar 29, 2013	0.997821
Apr 01, 2013	Apr 30, 2013	0.997821
May 01, 2013	May 31, 2013	0.997821
Jun 03, 2013	Jun 28, 2013	0.997821
Jul 01, 2013	Jul 31, 2013	0.997821
Aug 01, 2013	Aug 30, 2013	0.997821
Sep 03, 2013	Sep 30, 2013	0.997821
Oct 01, 2013	Oct 31, 2013	0.997821
Nov 01, 2013	Nov 29, 2013	0.997821
Dec 02, 2013	Dec 31, 2013	0.997821
Jan 02, 2014	Jan 31, 2014	0.997821
Feb 03, 2014	Feb 28, 2014	0.997821
Mar 03, 2014	Mar 31, 2014	0.997821
Apr 01, 2014	Apr 30, 2014	0.997821
May 01, 2014	May 30, 2014	0.997821
Jun 02, 2014	Jun 30, 2014	0.997821
Jul 01, 2014	Jul 31, 2014	0.997821
Aug 01, 2014	Aug 29, 2014	0.997821
Sep 02, 2014	Sep 30, 2014	0.997821
Oct 01, 2014	Oct 31, 2014	0.997821
Nov 03, 2014	Nov 28, 2014	0.997821
Dec 01, 2014	Dec 31, 2014	0.997821
Jan 02, 2015	Jan 30, 2015	0.997821
Feb 02, 2015	Feb 27, 2015	0.997821
Mar 02, 2015	Mar 31, 2015	0.997821
Apr 01, 2015	Apr 30, 2015	0.997821
May 01, 2015	May 29, 2015	0.997821
Jun 01, 2015		0.997821

CB3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.999924
Jul 02, 2007	Jul 31, 2007	0.999846
Aug 01, 2007	Aug 31, 2007	0.999769
Sep 04, 2007	Sep 28, 2007	0.999696
Oct 01, 2007	Oct 31, 2007	0.999626
Nov 01, 2007	Nov 30, 2007	0.999556
Dec 03, 2007	Dec 31, 2007	0.999485
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.999414
Mar 03, 2008	Mar 31, 2008	0.999342
Apr 01, 2008	Apr 30, 2008	0.999268
May 01, 2008	May 30, 2008	0.999198
Jun 02, 2008	Jun 30, 2008	0.999126
Jul 01, 2008	Jul 31, 2008	0.999057
Aug 01, 2008	Aug 29, 2008	0.998987
		0.998917
Sep 02, 2008	Sep 30, 2008	0.998845
Oct 01, 2008	Oct 31, 2008	0.998773
Nov 03, 2008	Nov 28, 2008	0.998701
Dec 01, 2008	Dec 31, 2008	0.998630
Jan 02, 2009	Jan 30, 2009	0.998555
Feb 02, 2009	Feb 27, 2009	0.998475
Mar 02, 2009	Mar 31, 2009	0.998394
Apr 01, 2009	Apr 30, 2009	0.998312
May 01, 2009	May 29, 2009	0.998232
Jun 01, 2009	Jun 30, 2009	0.998150
Jul 01, 2009	Jul 31, 2009	0.998066
Aug 03, 2009	Aug 31, 2009	0.997987
Sep 01, 2009	Sep 30, 2009	0.997912
Oct 01, 2009	Oct 30, 2009	0.997895
Nov 02, 2009	Nov 30, 2009	0.997895
Dec 01, 2009	Dec 31, 2009	0.997895
Jan 04, 2010	Jan 29, 2010	0.997895
Feb 01, 2010	Feb 26, 2010	0.997895
Mar 01, 2010	Mar 31, 2010	0.997895
Apr 01, 2010	Apr 30, 2010	0.997895
May 03, 2010	May 28, 2010	0.997895
Jun 01, 2010	Jun 30, 2010	0.997895
Jul 01, 2010	Jul 30, 2010	0.997895
Aug 02, 2010	Aug 31, 2010	0.997895
Sep 01, 2010	Sep 30, 2010	0.997895
Oct 01, 2010	Oct 29, 2010	0.997895
Nov 01, 2010	Nov 30, 2010	0.997895
Dec 01, 2010	Dec 31, 2010	0.997895
Jan 03, 2011	Jan 31, 2011	0.997895
Feb 01, 2011	Feb 28, 2011	0.997895
Mar 01, 2011	Mar 31, 2011	0.997895
Apr 01, 2011	Apr 29, 2011	0.997895
May 02, 2011	May 31, 2011	0.997895
Jun 01, 2011	Jun 30, 2011	0.997895
Jul 01, 2011	Jul 29, 2011	0.997895

CB3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.997895
Sep 01, 2011	Sep 30, 2011	0.997895
Oct 03, 2011	Oct 31, 2011	0.997895
Nov 01, 2011	Nov 30, 2011	0.997895
Dec 01, 2011	Dec 30, 2011	0.997895
Jan 03, 2012	Jan 31, 2012	0.997895
Feb 01, 2012	Feb 29, 2012	0.997895
Mar 01, 2012	Mar 30, 2012	0.997895
Apr 02, 2012	Apr 30, 2012	0.997895
May 01, 2012	May 31, 2012	0.997895
Jun 01, 2012	Jun 29, 2012	0.997895
Jul 02, 2012	Jul 31, 2012	0.997895
Aug 01, 2012	Aug 31, 2012	0.997895
Sep 04, 2012	Sep 28, 2012	0.997895
Oct 01, 2012	Oct 31, 2012	0.997895
Nov 01, 2012	Nov 30, 2012	0.997895
Dec 03, 2012	Dec 31, 2012	0.997895
Jan 02, 2013	Jan 31, 2013	0.997895
Feb 01, 2013	Feb 28, 2013	0.997895
Mar 01, 2013	Mar 29, 2013	0.997895
Apr 01, 2013	Apr 30, 2013	0.997895
May 01, 2013	May 31, 2013	0.997895
Jun 03, 2013	Jun 28, 2013	0.997895
Jul 01, 2013	Jul 31, 2013	0.997895
Aug 01, 2013	Aug 30, 2013	0.997895
Sep 03, 2013	Sep 30, 2013	0.997895
Oct 01, 2013	Oct 31, 2013	0.997895
Nov 01, 2013	Nov 29, 2013	0.997895
Dec 02, 2013	Dec 31, 2013	0.997895
Jan 02, 2014	Jan 31, 2014	0.997895
Feb 03, 2014	Feb 28, 2014	0.997895
Mar 03, 2014	Mar 31, 2014	0.997895
Apr 01, 2014	Apr 30, 2014	0.997895
May 01, 2014	May 30, 2014	0.997895
Jun 02, 2014	Jun 30, 2014	0.997895
Jul 01, 2014	Jul 31, 2014	0.997895
Aug 01, 2014	Aug 29, 2014	0.997895
Sep 02, 2014	Sep 30, 2014	0.997895
Oct 01, 2014	Oct 31, 2014	0.997895
Nov 03, 2014	Nov 28, 2014	0.997895
Dec 01, 2014	Dec 31, 2014	0.997895
Jan 02, 2015	Jan 30, 2015	0.997895
Feb 02, 2015	Feb 27, 2015	0.997895
Mar 02, 2015	Mar 31, 2015	0.997895
Apr 01, 2015	Apr 30, 2015	0.997895
May 01, 2015	May 29, 2015	0.997895
Jun 01, 2015		0.997895

A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.991190
Jul 25, 2007	Aug 24, 2007	0.959972
Aug 27, 2007	Sep 24, 2007	0.926695
Sep 25, 2007	Oct 24, 2007	0.897008
Oct 25, 2007	Nov 23, 2007	0.876419
Nov 26, 2007	Dec 24, 2007	0.864828
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	0.854486
Feb 25, 2008	Mar 24, 2008	0.844022
Mar 25, 2008	Apr 24, 2008	0.838991
Apr 25, 2008	May 23, 2008	0.831641
		0.822482
May 27, 2008	Jun 24, 2008	0.811318
Jun 25, 2008	Jul 24, 2008	0.804825
Jul 25, 2008	Aug 22, 2008	0.798331
Aug 25, 2008	Sep 24, 2008	0.786612
Sep 25, 2008	Oct 24, 2008	0.782831
Oct 27, 2008	Nov 24, 2008	0.777799
Nov 25, 2008	Dec 24, 2008	0.768465
Dec 26, 2008	Jan 23, 2009	0.761160
Jan 26, 2009	Feb 24, 2009	0.754602
Feb 25, 2009	Mar 24, 2009	0.752328
Mar 25, 2009	Apr 24, 2009	0.746743
Apr 27, 2009	May 22, 2009	0.737777
May 26, 2009	Jun 24, 2009	0.727777
Jun 25, 2009	Jul 24, 2009	0.717027
Jul 27, 2009	Aug 24, 2009	
Aug 25, 2009	Sep 24, 2009	0.704803
Sep 25, 2009	Oct 23, 2009	0.699024
Oct 26, 2009	Nov 24, 2009	0.682063
Nov 25, 2009	Dec 24, 2009	
Dec 28, 2009	Jan 22, 2010	0.671457
Jan 25, 2010	Feb 24, 2010	0.665280
Feb 25, 2010	Mar 24, 2010	0.660213
Mar 25, 2010	Apr 23, 2010	0.648409
Apr 26, 2010	May 24, 2010	0.639304
May 25, 2010	Jun 24, 2010	0.631803
Jun 25, 2010	Jul 23, 2010	0.624794
Jul 26, 2010	Aug 24, 2010	0.618697
Aug 25, 2010	Sep 24, 2010	0.607857
Sep 27, 2010	Oct 22, 2010	0.599486
Oct 25, 2010	Nov 24, 2010	0.594430
Nov 26, 2010	Dec 23, 2010	0.589377
Dec 27, 2010	Jan 24, 2011	0.579507
Jan 25, 2011	Feb 24, 2011	0.567055
Feb 25, 2011	Mar 24, 2011	0.557314
Mar 25, 2011	Apr 22, 2011	0.547902
Apr 25, 2011	May 24, 2011	0.540545
May 25, 2011	Jun 24, 2011	0.535563
Jun 27, 2011	Jul 22, 2011	0.530787
Jul 25, 2011	Aug 24, 2011	0.523996
Jui 23, 2011	Aug 24, 2011	0.513701

A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	0.508595
Sep 26, 2011	Oct 24, 2011	0.505148
Oct 25, 2011	Nov 23, 2011	0.501616
Nov 25, 2011	Dec 23, 2011	0.496274
Dec 27, 2011	Jan 24, 2012	0.489226
Jan 25, 2012	Feb 24, 2012	0.482226
Feb 27, 2012	Mar 23, 2012	0.478069
Mar 26, 2012	Apr 24, 2012	0.474099
Apr 25, 2012	May 24, 2012	0.471298
May 25, 2012	Jun 22, 2012	0.463949
Jun 25, 2012	Jul 24, 2012	0.460396
Jul 25, 2012	Aug 24, 2012	0.452105
Aug 27, 2012	Sep 24, 2012	0.446362
Sep 25, 2012	Oct 24, 2012	0.440909
Oct 25, 2012	Nov 23, 2012	0.437749
Nov 26, 2012	Dec 24, 2012	0.429172
Dec 26, 2012	Jan 24, 2013	0.420349
Jan 25, 2013	Feb 22, 2013	0.416138
Feb 25, 2013	Mar 22, 2013	0.410347
Mar 25, 2013	Apr 24, 2013	0.405622
Apr 25, 2013	May 24, 2013	0.401886
May 28, 2013	Jun 24, 2013	0.396277
Jun 25, 2013	Jul 24, 2013	0.388010
Jul 25, 2013	Aug 23, 2013	0.381412
Aug 26, 2013	Sep 24, 2013	0.376124
Sep 25, 2013	Oct 24, 2013	0.370054
Oct 25, 2013	Nov 22, 2013	0.364789
Nov 25, 2013	Dec 24, 2013	0.360799
Dec 26, 2013	Jan 24, 2014	0.355678
Jan 27, 2014	Feb 24, 2014	0.351050
Feb 25, 2014	Mar 24, 2014	0.347806
Mar 25, 2014	Apr 24, 2014	0.345258
Apr 25, 2014	May 23, 2014	0.342354
May 27, 2014	Jun 24, 2014	0.336192
Jun 25, 2014	Jul 24, 2014	0.333046
Jul 25, 2014	Aug 22, 2014	0.330387
Aug 25, 2014	Sep 24, 2014	0.327393
Sep 25, 2014	Oct 24, 2014	0.323978
Oct 27, 2014	Nov 24, 2014	0.315068
Nov 25, 2014	Dec 24, 2014	0.310217
Dec 26, 2014	Jan 23, 2015	0.306181
Jan 26, 2015	Feb 24, 2015	0.301619
Feb 25, 2015	Mar 24, 2015	0.299364
Mar 25, 2015	Apr 24, 2015	0.294297
Apr 27, 2015	May 22, 2015	0.291561
May 26, 2015	Jun 24, 2015	0.287830
Jun 25, 2015		0.284043

A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.991190
Jul 25, 2007	Aug 24, 2007	0.959972
Aug 27, 2007	Sep 24, 2007	0.926695
Sep 25, 2007	Oct 24, 2007	0.897008
Oct 25, 2007	Nov 23, 2007	0.876419
Nov 26, 2007	Dec 24, 2007	0.864828
Dec 26, 2007	Jan 24, 2008	0.854486
Jan 25, 2008	Feb 22, 2008	0.844022
Feb 25, 2008	Mar 24, 2008	0.838991
Mar 25, 2008	Apr 24, 2008	0.831641
Apr 25, 2008	May 23, 2008	0.822482
May 27, 2008	Jun 24, 2008	0.811318
Jun 25, 2008	Jul 24, 2008	0.804825
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	0.798331
Sep 25, 2008	Oct 24, 2008	0.786612
Oct 27, 2008	Nov 24, 2008	0.782831
Nov 25, 2008	Dec 24, 2008	0.777799
Dec 26, 2008	Jan 23, 2009	0.768465
Jan 26, 2009	Feb 24, 2009	0.761160
Feb 25, 2009	Mar 24, 2009	0.754602
Mar 25, 2009	Apr 24, 2009	0.752328
Apr 27, 2009	May 22, 2009	0.746743
May 26, 2009	Jun 24, 2009	0.737777
Jun 25, 2009	Jul 24, 2009	0.727777
Jul 27, 2009	Aug 24, 2009	0.717027
Aug 25, 2009	Sep 24, 2009	0.704803
Sep 25, 2009	Oct 23, 2009	0.699024
Oct 26, 2009	Nov 24, 2009	0.690115
Nov 25, 2009	Dec 24, 2009	0.682063
Dec 28, 2009	Jan 22, 2010	0.671457
Jan 25, 2010	Feb 24, 2010	0.665280
Feb 25, 2010	Mar 24, 2010	0.660213 0.648409
Mar 25, 2010	Apr 23, 2010	0.639304
Apr 26, 2010	May 24, 2010	0.631803
May 25, 2010	Jun 24, 2010	0.624794
Jun 25, 2010	Jul 23, 2010	0.618697
Jul 26, 2010	Aug 24, 2010	0.607857
Aug 25, 2010	Sep 24, 2010	0.599486
Sep 27, 2010	Oct 22, 2010	0.594430
Oct 25, 2010	Nov 24, 2010	0.589377
Nov 26, 2010	Dec 23, 2010	0.579507
Dec 27, 2010	Jan 24, 2011	0.567055
Jan 25, 2011	Feb 24, 2011	0.557314
Feb 25, 2011	Mar 24, 2011	0.547902
Mar 25, 2011	Apr 22, 2011	0.540545
Apr 25, 2011	May 24, 2011	0.535563
May 25, 2011	Jun 24, 2011	0.530787
Jun 27, 2011	Jul 22, 2011	0.523996
Jul 25, 2011	Aug 24, 2011	0.513701

A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	0.508595
Sep 26, 2011	Oct 24, 2011	0.505148
Oct 25, 2011	Nov 23, 2011	0.501616
Nov 25, 2011	Dec 23, 2011	0.496274
Dec 27, 2011	Jan 24, 2012	0.489226
Jan 25, 2012	Feb 24, 2012	0.482226
Feb 27, 2012	Mar 23, 2012	0.478069
Mar 26, 2012	Apr 24, 2012	0.474099
Apr 25, 2012	May 24, 2012	0.471298
May 25, 2012	Jun 22, 2012	0.463949
Jun 25, 2012	Jul 24, 2012	0.460396
Jul 25, 2012	Aug 24, 2012	0.452105
Aug 27, 2012	Sep 24, 2012	0.446362
Sep 25, 2012	Oct 24, 2012	0.440909
Oct 25, 2012	Nov 23, 2012	0.437749
Nov 26, 2012	Dec 24, 2012	0.429172
Dec 26, 2012	Jan 24, 2013	0.420349
Jan 25, 2013	Feb 22, 2013	0.416138
Feb 25, 2013	Mar 22, 2013	0.410347
Mar 25, 2013	Apr 24, 2013	0.405622
Apr 25, 2013	May 24, 2013	0.401886
May 28, 2013	Jun 24, 2013	0.396277
Jun 25, 2013	Jul 24, 2013	0.388010
Jul 25, 2013	Aug 23, 2013	0.381412
Aug 26, 2013	Sep 24, 2013	0.376124
Sep 25, 2013	Oct 24, 2013	0.370054
Oct 25, 2013	Nov 22, 2013	0.364789
Nov 25, 2013	Dec 24, 2013	0.360799
Dec 26, 2013	Jan 24, 2014	0.355678
Jan 27, 2014	Feb 24, 2014	0.351050
Feb 25, 2014	Mar 24, 2014	0.347806
Mar 25, 2014	Apr 24, 2014	0.345258
Apr 25, 2014	May 23, 2014	0.342354
May 27, 2014	Jun 24, 2014	0.336192
Jun 25, 2014	Jul 24, 2014	0.333046
Jul 25, 2014	Aug 22, 2014	0.330387
Aug 25, 2014	Sep 24, 2014	0.327393
Sep 25, 2014	Oct 24, 2014	0.323978
Oct 27, 2014	Nov 24, 2014	0.315068
Nov 25, 2014	Dec 24, 2014	0.310217
Dec 26, 2014	Jan 23, 2015	0.306181
Jan 26, 2015	Feb 24, 2015	0.301619
Feb 25, 2015	Mar 24, 2015	0.299364
Mar 25, 2015	Apr 24, 2015	0.294297
Apr 27, 2015	May 22, 2015	0.291561
May 26, 2015	Jun 24, 2015	0.287830
Jun 25, 2015		0.284043

M1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
	-	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
	-	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
	*	1.000000
Nov 26, 2010 Dec 27, 2010	Dec 23, 2010 Jan 24, 2011	1.000000
	•	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
	-	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	
Aug 25, 2009	Sep 24, 2009	1.000000 1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M5 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
	-	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
	*	1.000000
Nov 26, 2010 Dec 27, 2010	Dec 23, 2010 Jan 24, 2011	1.000000
	•	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M5 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M6 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
		1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M6 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

B1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
		1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

B1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

B2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
	-	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	<u> </u>	1.000000
	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

B2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

B3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

B3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

A1A Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.989067
Jun 25, 2007	Jul 24, 2007	0.973769
Jul 25, 2007	Aug 24, 2007	0.958563
Aug 27, 2007	Sep 24, 2007	0.920684
Sep 25, 2007	Oct 24, 2007	0.909794
Oct 25, 2007	Nov 23, 2007	0.900113
Nov 26, 2007	Dec 24, 2007	0.888707
Dec 26, 2007	Jan 24, 2008	0.875994
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	0.863836
Mar 25, 2008	Apr 24, 2008	0.850989
Apr 25, 2008	May 23, 2008	0.836073
May 27, 2008	Jun 24, 2008	0.820923
Jun 25, 2008	Jul 24, 2008	0.801011
		0.788650
Jul 25, 2008	Aug 22, 2008	0.775770
Aug 25, 2008	Sep 24, 2008	0.762919
Sep 25, 2008	Oct 24, 2008	0.752019
Oct 27, 2008	Nov 24, 2008	0.739757
Nov 25, 2008	Dec 24, 2008	0.726767
Dec 26, 2008	Jan 23, 2009	0.711945
Jan 26, 2009	Feb 24, 2009	0.698019
Feb 25, 2009	Mar 24, 2009	0.679017
Mar 25, 2009	Apr 24, 2009	0.666940
Apr 27, 2009	May 22, 2009	0.653668
May 26, 2009	Jun 24, 2009	0.643748
Jun 25, 2009	Jul 24, 2009	0.633078
Jul 27, 2009	Aug 24, 2009	0.625103
Aug 25, 2009	Sep 24, 2009	0.616778
Sep 25, 2009	Oct 23, 2009	0.604121
Oct 26, 2009	Nov 24, 2009	0.594785
Nov 25, 2009	Dec 24, 2009	0.584773
Dec 28, 2009	Jan 22, 2010	0.572535
Jan 25, 2010	Feb 24, 2010	0.562388
Feb 25, 2010	Mar 24, 2010	0.556753
Mar 25, 2010	Apr 23, 2010	0.552529
Apr 26, 2010	May 24, 2010	0.544435
May 25, 2010	Jun 24, 2010	0.538593
Jun 25, 2010	Jul 23, 2010	0.534482
Jul 26, 2010	Aug 24, 2010	0.529819
Aug 25, 2010	Sep 24, 2010	0.527610
Sep 27, 2010	Oct 22, 2010	0.522141
Oct 25, 2010	Nov 24, 2010	0.515740
Nov 26, 2010	Dec 23, 2010	0.512415
Dec 27, 2010	Jan 24, 2011	0.506073
Jan 25, 2011	Feb 24, 2011	0.499600
Feb 25, 2011	Mar 24, 2011	0.494421
Mar 25, 2011	Apr 22, 2011	0.489676
Apr 25, 2011	May 24, 2011	0.485846
May 25, 2011	Jun 24, 2011	0.475739
Jun 27, 2011	Jul 22, 2011	0.471933

A1A Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Jul 25, 2011	Aug 24, 2011	0.466299
Aug 25, 2011	Sep 23, 2011	0.460827
Sep 26, 2011	Oct 24, 2011	0.455504
Oct 25, 2011	Nov 23, 2011	0.452342
Nov 25, 2011	Dec 23, 2011	0.448798
Dec 27, 2011	Jan 24, 2012	0.446349
Jan 25, 2012	Feb 24, 2012	0.442818
Feb 27, 2012	Mar 23, 2012	0.437995
Mar 26, 2012	Apr 24, 2012	0.434310
Apr 25, 2012	May 24, 2012	0.430137
May 25, 2012	Jun 22, 2012	0.426328
Jun 25, 2012	Jul 24, 2012	0.419684
Jul 25, 2012	Aug 24, 2012	0.416827
Aug 27, 2012	Sep 24, 2012	0.412164
Sep 25, 2012	Oct 24, 2012	0.407056
Oct 25, 2012	Nov 23, 2012	0.402686
Nov 26, 2012	Dec 24, 2012	0.399940
Dec 26, 2012	Jan 24, 2013	0.397447
Jan 25, 2013	Feb 22, 2013	0.393472
Feb 25, 2013	Mar 22, 2013	0.387569
Mar 25, 2013	Apr 24, 2013	0.383862
Apr 25, 2013	May 24, 2013	0.380237
May 28, 2013	Jun 24, 2013	0.377552
Jun 25, 2013	Jul 24, 2013	0.373623
Jul 25, 2013	Aug 23, 2013	0.371147
Aug 26, 2013	Sep 24, 2013	0.367751
Sep 25, 2013	Oct 24, 2013	0.364267
Oct 25, 2013	Nov 22, 2013	0.360299
Nov 25, 2013	Dec 24, 2013	0.357954
Dec 26, 2013	Jan 24, 2014	0.355006
Jan 27, 2014	Feb 24, 2014	0.350452
Feb 25, 2014	Mar 24, 2014	0.345962
Mar 25, 2014	Apr 24, 2014	0.342737
Apr 25, 2014	May 23, 2014	0.341423
May 27, 2014	Jun 24, 2014	0.336917
Jun 25, 2014	Jul 24, 2014	0.331938
Jul 25, 2014	Aug 22, 2014	0.327050
Aug 25, 2014	Sep 24, 2014	0.323671
Sep 25, 2014	Oct 24, 2014	0.320689
Oct 27, 2014	Nov 24, 2014	0.316275
Nov 25, 2014	Dec 24, 2014	0.313951
Dec 26, 2014	Jan 23, 2015	0.311334
Jan 26, 2015	Feb 24, 2015	0.309719
Feb 25, 2015	Mar 24, 2015	0.306777
Mar 25, 2015	Apr 24, 2015	0.304280
Apr 27, 2015	May 22, 2015	0.301205
May 26, 2015	Jun 24, 2015	0.298379
Jun 25, 2015		0.294542

A1B Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.989067
Jun 25, 2007	Jul 24, 2007	0.973769
Jul 25, 2007	Aug 24, 2007	0.958563
Aug 27, 2007	Sep 24, 2007	0.920684
Sep 25, 2007	Oct 24, 2007	0.909794
Oct 25, 2007	Nov 23, 2007	0.900113
Nov 26, 2007	Dec 24, 2007	0.888707
Dec 26, 2007	Jan 24, 2008	0.875994
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	0.863836
Mar 25, 2008	Apr 24, 2008	0.850989
Apr 25, 2008	May 23, 2008	0.836073
May 27, 2008	Jun 24, 2008	0.820923
Jun 25, 2008	Jul 24, 2008	0.801011
Jul 25, 2008	Aug 22, 2008	0.788650
Aug 25, 2008	Sep 24, 2008	0.775770
	<u> </u>	0.762919
Sep 25, 2008	Oct 24, 2008	0.752019
Oct 27, 2008	Nov 24, 2008	0.739757
Nov 25, 2008	Dec 24, 2008	0.739757
Dec 26, 2008	Jan 23, 2009	0.739757
Jan 26, 2009	Feb 24, 2009	0.739757
Feb 25, 2009	Mar 24, 2009	0.739757
Mar 25, 2009	Apr 24, 2009	0.739757
Apr 27, 2009	May 22, 2009	0.739757
May 26, 2009	Jun 24, 2009	0.739757
Jun 25, 2009	Jul 24, 2009	0.739757
Jul 27, 2009	Aug 24, 2009	0.739757
Aug 25, 2009	Sep 24, 2009	0.739757
Sep 25, 2009	Oct 23, 2009	0.739757
Oct 26, 2009	Nov 24, 2009	0.739757
Nov 25, 2009	Dec 24, 2009	0.739757
Dec 28, 2009	Jan 22, 2010	0.739757
Jan 25, 2010	Feb 24, 2010	0.739757
Feb 25, 2010	Mar 24, 2010	0.739757
Mar 25, 2010	Apr 23, 2010	0.739757
Apr 26, 2010	May 24, 2010	0.739757
May 25, 2010	Jun 24, 2010	0.739757
Jun 25, 2010	Jul 23, 2010	0.739757
Jul 26, 2010	Aug 24, 2010	0.739757
Aug 25, 2010	Sep 24, 2010	0.739757
Sep 27, 2010	Oct 22, 2010	0.739757
Oct 25, 2010	Nov 24, 2010	0.739757
Nov 26, 2010	Dec 23, 2010	0.739757
Dec 27, 2010	Jan 24, 2011	0.739757
Jan 25, 2011	Feb 24, 2011	0.739757
Feb 25, 2011	Mar 24, 2011	0.739757
Mar 25, 2011	Apr 22, 2011	0.739757
Apr 25, 2011	May 24, 2011	0.739757
May 25, 2011	Jun 24, 2011	0.739757
Jun 27, 2011	Jul 22, 2011	0.739757

A1B Certificate Writedown Free Factor Chart

Jul 25, 2011 Aug 24, 2011 0,739757 Aug 25, 2011 Sep 23, 2011 0,739757 Sep 26, 2011 Oct 24, 2011 0,739757 Oct 25, 2011 Nov 23, 2011 0,739757 Dec 27, 2011 Jan 24, 2012 0,739757 Jan 25, 2012 Feb 24, 2012 0,739757 Mar 26, 2012 Mar 23, 2012 0,739757 Apr 25, 2012 May 24, 2012 0,739757 Jun 25, 2012 Jul 24, 2012 0,739757 Aug 27, 2012 Jul 24, 2012 0,739757 Jun 25, 2012 Jul 24, 2012 0,739757 Aug 27, 2012 Sep 24, 2012 0,739757 Oct 25, 2012 Nov 23, 2012 0,739757 Oct 25, 2012 Nov 23, 2012 0,739757 Dec 26, 2012 Jan 24, 2013 0,739757 Jan 25, 2012 Jan 24, 2013 0,739757 Dec 26, 2012 Jan 24, 2013 0,739757 Jan 25, 2013 Feb 22, 2013 0,739757 Jan 25, 2013 Mar 22, 2013 0,739757 Jun 25, 2013 Jul 24, 2013 0,739757 Jun 25, 2014 Jun 24, 2014 0,739757 Jun 25, 2014 Mar 24, 2014 0,739757 Jun 25, 2014 Mar 24, 2014 0,739757 Jun 25, 2014 Mar 24, 2014 0,739757 Jun 25, 2014 Jun 24, 2014 0,739757 Jun 25, 2014 Dec 24, 2015 0,739757 Jun 25, 2015 Jun 24, 2015 0,739757 Jun 25, 2015 Jun	From	То	Writedown Free Factor
Sep 26, 2011 Oct 24, 2011 0.739757 Oct 25, 2011 Nov 23, 2011 0.739757 Nov 25, 2011 Dec 23, 2011 0.739757 Dec 27, 2011 Jan 24, 2012 0.739757 Jan 25, 2012 Feb 24, 2012 0.739757 Feb 27, 2012 Mar 23, 2012 0.739757 Mar 26, 2012 Apr 24, 2012 0.739757 May 25, 2012 Jun 22, 2012 0.739757 Jun 25, 2012 Jun 22, 2012 0.739757 Jun 25, 2012 Jul 24, 2012 0.739757 Jun 25, 2012 Oct 24, 2012 0.739757 Aug 27, 2012 Sep 24, 2012 0.739757 Sep 25, 2012 Oct 24, 2012 0.739757 Oct 25, 2012 Oct 24, 2012 0.739757 Nov 26, 2012 Dec 24, 2012 0.739757 Dec 26, 2012 Jun 24, 2013 0.739757 Jun 25, 2013 <t< th=""><th></th><th>Aug 24, 2011</th><th></th></t<>		Aug 24, 2011	
Oct 25, 2011 Nov 23, 2011 0,739757 Nov 25, 2011 Dec 23, 2011 0,739757 Dec 27, 2011 Jan 24, 2012 0,739757 Jan 25, 2012 Feb 24, 2012 0,739757 Feb 27, 2012 Mar 23, 2012 0,739757 Mar 26, 2012 Apr 24, 2012 0,739757 May 25, 2012 May 24, 2012 0,739757 May 25, 2012 Jul 24, 2012 0,739757 Jun 25, 2012 Jul 24, 2012 0,739757 Jun 25, 2012 Jul 24, 2012 0,739757 Jun 25, 2012 Jul 24, 2012 0,739757 Oct 25, 2012 Nov 23, 2012 0,739757 Oct 25, 2012 Nov 23, 2012 0,739757 Dec 26, 2012 Dec 24, 2012 0,739757 Dec 26, 2012 Dec 24, 2012 0,739757 Dec 26, 2012 Dec 24, 2012 0,739757 Dec 26, 2012 Jan 24, 2013 0,739757 Jan 25, 2013 Feb 22, 2013 0,739757 Feb 25, 2013 Mar 22, 2013 0,739757 May 28, 2013 Apr 24, 2013 0,739757 May 28, 2013 Jul 24, 2013 0,739757 Jun 25, 2013 May 24, 2013 0,739757 Jun 25, 2013 May 24, 2013 0,739757 Jun 25, 2013 May 24, 2013 0,739757 Jun 25, 2013 Jul 24, 2014 0,739757 Dec 26, 2013 Jan 24, 2014 0,739757 Dec 26, 2013 Jan 24, 2014 0,739757 Jun 27, 2014 Feb 24, 2014 0,739757 Jun 27, 2014 Feb 24, 2014 0,739757 Jun 25, 2014 May 23, 2014 0,739757 Jun 25, 2014 May 23, 2014 0,739757 Jun 25, 2014 May 27, 2014 0,739757 Jun 25, 2014 Dec 24, 2014 0,739757 Jun 25, 2014 May 27, 2014 0,739757 Jun 25, 2014 Dec 24, 2014 0,739757 Jun 25, 2014 Dec 24, 2014 0,739757 Jun 25, 2014 Dec 24, 2014 0,739757 Jun 25, 2014 Dec 26, 2014 0,739757 Jun 25, 2015 May 22, 2015 0,739757 Dec 26, 2015 May 22, 2015 0,739757 Dec 26, 2015 Jun 24, 2015 0,739757 Dec 26, 2015 Jun 24, 2015 0,739757 Dec 26, 2015 Jun	Aug 25, 2011	Sep 23, 2011	0.739757
Nov 25, 2011 Dec 23, 2011 0.739757 Dec 27, 2011 Jan 24, 2012 0.739757 Jan 25, 2012 Feb 24, 2012 0.739757 Feb 27, 2012 Mar 23, 2012 0.739757 Mar 26, 2012 Apr 24, 2012 0.739757 Apr 25, 2012 May 24, 2012 0.739757 May 25, 2012 Jun 22, 2012 0.739757 Jun 25, 2012 Jul 24, 2012 0.739757 Jul 25, 2012 Jul 24, 2012 0.739757 Jul 25, 2012 Aug 24, 2012 0.739757 Jul 25, 2012 Aug 24, 2012 0.739757 Jul 25, 2012 Aug 24, 2012 0.739757 Oct 25, 2012 Nov 23, 2012 0.739757 Dec 26, 2012 Dec 24, 2012 0.739757 Dec 26, 2012 Jan 24, 2013 0.739757 Dec 26, 2012 Jan 24, 2013 0.739757 Jan 25, 2013 Feb 22, 2013 0.739757 Feb 25, 2013 Mar 22, 2013 0.739757 Mar 25, 2013 Mar 24, 2013 0.739757 Apr 25, 2013 May 24, 2013 0.739757 Jun 25, 2013 May 24, 2013 0.739757 Jun 25, 2013 May 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Jul 25, 2013 Aug 23, 2013 0.739757 Jul 25, 2013 Aug 23, 2013 0.739757 Jul 25, 2013 Aug 23, 2013 0.739757 Dec 26, 2013 Jul 24, 2013 0.739757 Dec 26, 2013 Jul 24, 2013 0.739757 Jul 25, 2013 Nov 22, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Jan 27, 2014 Feb 24, 2014 0.739757 Jun 27, 2014 Feb 24, 2014 0.739757 Jun 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 Jul 24, 2014 0.739757 Jun 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 Dec 24, 2014 0.739757 Jun 25, 2014 Dec 24, 2014 0.739757 Jun 25, 2014 Dec 26, 2014 0.739757 Jun 25, 2014 Dec 26, 2014 0.739757 Jun 25, 2014 Dec 26, 2014 0.739757 Jun 26, 2015 May 22, 2015 0.739757 Jan 26, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Sep 26, 2011	Oct 24, 2011	0.739757
Dec 27, 2011 Jan 24, 2012 0.739757 Jan 25, 2012 Feb 24, 2012 0.739757 Feb 27, 2012 Mar 23, 2012 0.739757 Mar 26, 2012 Apr 24, 2012 0.739757 Apr 25, 2012 Jun 22, 2012 0.739757 Jun 25, 2012 Jun 22, 2012 0.739757 Jun 25, 2012 Jun 22, 2012 0.739757 Jul 25, 2012 Jul 24, 2012 0.739757 Aug 27, 2012 Sep 24, 2012 0.739757 Aug 27, 2012 Sep 24, 2012 0.739757 Oct 25, 2012 Nov 23, 2012 0.739757 Nov 26, 2012 Dec 24, 2012 0.739757 Jan 25, 2013 Feb 22, 2013 0.739757 Jan 25, 2013 Feb 22, 2013 0.739757 Mar 25, 2013 Mar 22, 2013 0.739757 Mar 25, 2013 Mar 24, 2013 0.739757 Mar 25, 2013 May 24, 2013 0.739757 Mar 25, 2013 May 24, 2013 0.739757 Jun 25, 2013 Jun 24, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 Jun 25, 2013 May 24, 2013 0.739757 Jun 25, 2013 Jun 24, 2013 0.739757 Jun 25, 2013 May 24, 2013 0.739757 Jun 25, 2013 Jun 24, 2013 0.739757 Aug 26, 2013 Sep 24, 2013 0.739757 Oct 25, 2013 Oct 24, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Jan 27, 2014 Feb 24, 2014 0.739757 Mar 25, 2014 Mar 24, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 Aug 22, 2014 0.739757 Dec 26, 2014 Jun 24, 2014 0.739757 Dec 26, 2015 Mar 24, 2015 0.739757 Dec 26, 2015 Mar 24, 2015 0.739757 Dec 26, 2015 Mar 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Oct 25, 2011	Nov 23, 2011	0.739757
Jan 25, 2012 Feb 24, 2012 0.739757 Feb 27, 2012 Mar 23, 2012 0.739757 Mar 26, 2012 Apr 24, 2012 0.739757 Apr 25, 2012 May 24, 2012 0.739757 Jun 25, 2012 Jul 24, 2012 0.739757 Jun 25, 2012 Jul 24, 2012 0.739757 Jul 25, 2012 Aug 24, 2012 0.739757 Jul 25, 2012 Aug 24, 2012 0.739757 Aug 27, 2012 Sep 24, 2012 0.739757 Oct 25, 2012 Nov 23, 2012 0.739757 Dec 26, 2012 Jan 24, 2012 0.739757 Dec 26, 2012 Jan 24, 2013 0.739757 Dec 26, 2012 Jan 24, 2013 0.739757 Feb 25, 2013 Mar 22, 2013 0.739757 Mar 25, 2013 Mar 22, 2013 0.739757 Mar 25, 2013 Mar 22, 2013 0.739757 Mar 25, 2013 May 24, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 Jun 25, 2013 May 24, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Jun 25, 2013 May 24, 2013 0.739757 Aug 26, 2013 Jul 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Dec 26, 2013 Jun 24, 2013 0.739757 Dec 26, 2013 Jun 24, 2013 0.739757 Dec 26, 2013 Jul 24, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Jan 27, 2014 Feb 24, 2014 0.739757 Mar 25, 2014 Mar 24, 2014 0.739757 Mar 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 Jun 24, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 May 28, 2014 Jun 24, 2014 0.739757 Dec 26, 2014 May 23, 2014 0.739757 Dec 26, 2014 Jun 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2015 Dec 26, 2015 0.739757 Dec 26, 2015 Jun 24, 2015 0.739757 Dec 26, 2015 Jun 24, 2015 0.739757 Dec 27, 2015 May 22, 2015 0.739757 Dec 27, 2015 May 22, 2015 0.739757	Nov 25, 2011	Dec 23, 2011	0.739757
Feb 27, 2012 Mar 23, 2012 0.739757 Mar 26, 2012 Apr 24, 2012 0.739757 Apr 25, 2012 May 24, 2012 0.739757 Jun 25, 2012 Jun 22, 2012 0.739757 Jun 25, 2012 Jul 24, 2012 0.739757 Jun 25, 2012 Jul 24, 2012 0.739757 Jul 25, 2012 Aug 24, 2012 0.739757 Aug 27, 2012 Sep 24, 2012 0.739757 Oct 25, 2012 Oct 24, 2012 0.739757 Nov 26, 2012 Dec 24, 2012 0.739757 Dec 26, 2012 Jan 24, 2013 0.739757 Dec 26, 2012 Jan 24, 2013 0.739757 Feb 25, 2013 Mar 22, 2013 0.739757 Mar 25, 2013 Mar 22, 2013 0.739757 Mar 25, 2013 Mar 22, 2013 0.739757 Apr 25, 2013 May 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Jun 25, 2013 Jun 24, 2013 0.739757 Aug 26, 2013 Sep 24, 2013 0.739757 Oct 25, 2013 Oct 24, 2013 0.739757 Oct 25, 2013 Oct 24, 2013 0.739757 Oct 25, 2013 Dec 24, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Feb 25, 2014 Mar 24, 2014 0.739757 Jun 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 Jun 24, 2014 0.739757 Aug 25, 2014 Oct 24, 2014 0.739757 Dec 26, 2014 Jun 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2015 Dec 24, 2015 0.739757 Dec 26, 2015 May 22, 2015 0.739757 May 26, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Dec 27, 2011	Jan 24, 2012	0.739757
Mar 26, 2012	Jan 25, 2012	Feb 24, 2012	0.739757
Apr 25, 2012 May 24, 2012 0.739757 May 25, 2012 Jun 22, 2012 0.739757 Jun 25, 2012 Jul 24, 2012 0.739757 Jul 25, 2012 Aug 24, 2012 0.739757 Aug 27, 2012 Sep 24, 2012 0.739757 Oct 25, 2012 Nov 23, 2012 0.739757 Dec 26, 2012 Jan 24, 2013 0.739757 Apr 25, 2013 Feb 22, 2013 0.739757 May 28, 2013 Apr 24, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 Jun 25, 2013 May 24, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 Jun 25, 2013 May 24, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 Jun 25, 2013 May 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Jun 25, 2013 Jun 24, 2013 0.739757 Jun 25, 2013 Jun 24, 2013 0.739757 Oct 25, 2013 Nov 22, 2013 0.739757 Oct 25, 2013 Oct 24, 2013 0.739757 Oct 25, 2013 Oct 24, 2013 0.739757 Oct 25, 2013 Oct 24, 2013 0.739757 Oct 25, 2013 Dec 24, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Jan 27, 2014 Feb 24, 2014 0.739757 May 27, 2014 May 23, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 May 23, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 Nov 24, 2014 0.739757 Aug 25, 2014 Oct 24, 2014 0.739757 Aug 25, 2014 Oct 24, 2014 0.739757 Oct 27, 2014 Sep 24, 2014 0.739757 Aug 25, 2014 Oct 24, 2014 0.739757 Dec 26, 2014 Jun 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2015 Apr 24, 2015 0.739757 May 26, 2015 Apr 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Feb 27, 2012	Mar 23, 2012	0.739757
May 25, 2012 Jun 22, 2012 0.739757 Jun 25, 2012 Jul 24, 2012 0.739757 Jul 25, 2012 Aug 24, 2012 0.739757 Aug 27, 2012 Sep 24, 2012 0.739757 Oct 25, 2012 Nov 23, 2012 0.739757 Dec 26, 2012 Jan 24, 2013 0.739757 May 28, 2013 Apr 24, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 Jun 25, 2013 May 24, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 Jun 25, 2013 May 24, 2013 0.739757 Jun 25, 2013 May 24, 2013 0.739757 Jun 26, 2013 Jun 27, 2013 0.739757 Jun 27, 2014 Feb 24, 2013 0.739757 Oct 25, 2013 May 28, 2013 0.739757 Jun 26, 2013 Jun 27, 2013 0.739757 Oct 25, 2013 Aug 23, 2013 0.739757 Oct 25, 2013 Oct 24, 2013 0.739757 Oct 25, 2013 Oct 24, 2013 0.739757 Oct 25, 2013 Oct 24, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Dec 26, 2014 Mar 24, 2014 0.739757 Jan 27, 2014 Feb 24, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 May 23, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 Jun 24, 2014 0.739757 Aug 25, 2014 Oct 24, 2014 0.739757 Aug 25, 2014 Oct 24, 2014 0.739757 Dec 26, 2014 Jun 24, 2014 0.739757 Dec 26, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 Jun 24, 2014 0.739757 Dec 26, 2014 Jun 24, 2014 0.739757 Dec 26, 2015 Apr 24, 2015 0.739757 Dec 26, 2015 May 22, 2015 0.739757 May 26, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Mar 26, 2012	Apr 24, 2012	0.739757
Jun 25, 2012 Jul 24, 2012 O.739757 Jul 25, 2012 Aug 24, 2012 O.739757 Aug 27, 2012 Sep 24, 2012 O.739757 Sep 25, 2012 Oct 24, 2012 O.739757 Nov 26, 2012 Dec 24, 2012 Dec 24, 2012 O.739757 Jun 25, 2013 Feb 22, 2013 O.739757 Jun 25, 2013 Apr 24, 2013 Apr 24, 2013 Apr 25, 2013 Apr 24, 2013 Apr 25, 2013 Apr 24, 2013 Jun 25, 2013 Apr 25, 2013 Apr 24, 2013 Jun 25, 2013 Jun 26, 2013 Jun 27, 2014 Apr 28, 2013 Jun 29, 2014 Apr 29, 2015 Apr 29, 2015 Apr 29, 2015 Apr 20, 2015	Apr 25, 2012	May 24, 2012	0.739757
Jul 25, 2012 Aug 24, 2012 0.739757 Aug 27, 2012 Sep 24, 2012 0.739757 Sep 25, 2012 Oct 24, 2012 0.739757 Oct 25, 2012 Nov 23, 2012 0.739757 Dec 26, 2012 Jan 24, 2013 0.739757 Jan 25, 2013 Feb 22, 2013 0.739757 Mar 25, 2013 Mar 22, 2013 0.739757 May 28, 2013 Jul 24, 2013 0.739757 Jul 25, 2013 May 24, 2013 0.739757 May 28, 2013 Jul 24, 2013 0.739757 Jul 25, 2013 May 24, 2013 0.739757 Jul 25, 2013 May 24, 2013 0.739757 May 28, 2013 Jul 24, 2013 0.739757 Jul 25, 2013 Jul 24, 2013 0.739757 Jul 25, 2013 Aug 23, 2013 0.739757 Aug 26, 2013 Sep 24, 2013 0.739757 Sep 25, 2013 Oct 24, 2013 0.739757 Oct 25, 2013 Nov 22, 2013 0.739757 Nov 25, 2013 Dec 24, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Jan 27, 2014 Feb 24, 2014 0.739757 Mar 25, 2014 Mar 24, 2014 0.739757 May 27, 2014 Jul 24, 2014 0.739757 Jul 25, 2014 May 23, 2014 0.739757 Apr 25, 2014 May 23, 2014 0.739757 Jul 25, 2014 Jul 24, 2014 0.739757 Jul 25, 2014 Jul 24, 2014 0.739757 Apr 25, 2014 May 27, 2014 0.739757 Aug 25, 2014 Oct 24, 2014 0.739757 Jul 25, 2014 Jul 24, 2014 0.739757 Aug 25, 2014 Sep 24, 2014 0.739757 Dec 26, 2014 Jul 24, 2014 0.739757 Aug 25, 2014 Sep 24, 2014 0.739757 Dec 26, 2014 Jul 24, 2014 0.739757 Aug 25, 2014 Sep 24, 2014 0.739757 Dec 26, 2014 Jul 24, 2014 0.739757 Aug 25, 2014 Sep 24, 2014 0.739757 Dec 26, 2014 Jul 24, 2014 0.739757 Aug 25, 2014 Sep 24, 2015 0.739757 Apr 27, 2015 May 22, 2015 0.739757 May 26, 2015 Jan 26, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	May 25, 2012	Jun 22, 2012	0.739757
Aug 27, 2012 Sep 24, 2012 0.739757 Sep 25, 2012 Oct 24, 2012 0.739757 Oct 25, 2012 Nov 23, 2012 0.739757 Nov 26, 2012 Dec 24, 2012 0.739757 Dec 26, 2012 Jan 24, 2013 0.739757 Jan 25, 2013 Feb 22, 2013 0.739757 Mar 25, 2013 Mar 22, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 Jun 25, 2013 May 24, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Jul 25, 2013 Aug 23, 2013 0.739757 Aug 26, 2013 Sep 24, 2013 0.739757 Sep 25, 2013 Oct 24, 2013 0.739757 Oct 25, 2013 Nov 22, 2013 0.739757 Nov 25, 2013 Dec 24, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Jan 27, 2014 Feb 24, 2014 0.739757 Mar 25, 2014 Mar 24, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 Jul 24, 2014 0.739757 Apr 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 Jul 24, 2014 0.739757 Jun 25, 2014 Jul 24, 2014 0.739757 Apr 25, 2014 Aug 22, 2014 0.739757 Jun 25, 2014 Jul 24, 2014 0.739757 Aug 25, 2014 Sep 24, 2014 0.739757 Aug 25, 2014 Sep 24, 2014 0.739757 Dec 26, 2014 Jul 24, 2014 0.739757 Aug 25, 2014 Sep 24, 2014 0.739757 Dec 26, 2014 Jul 24, 2014 0.739757 Aug 25, 2014 Sep 24, 2014 0.739757 Dec 26, 2014 Jun 24, 2014 0.739757 Aug 25, 2014 Sep 24, 2014 0.739757 Dec 26, 2014 Jun 24, 2015 0.739757 Apr 27, 2015 May 22, 2015 0.739757 Apr 27, 2015 May 26, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Jun 25, 2012	Jul 24, 2012	0.739757
Sep 25, 2012 Oct 24, 2012 0.739757 Oct 25, 2012 Nov 23, 2012 0.739757 Nov 26, 2012 Dec 24, 2012 0.739757 Dec 26, 2012 Jan 24, 2013 0.739757 Jan 25, 2013 Feb 22, 2013 0.739757 Mar 25, 2013 Mar 22, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 Jun 25, 2013 May 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Jun 25, 2013 Aug 23, 2013 0.739757 Oct 25, 2013 Nov 22, 2013 0.739757 Oct 25, 2013 Nov 22, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Jan 27, 2014 Feb 24, 2014 0.739757 Mar 25, 2014 Mar 24, 2014 0.739757 Mar 25, 2014 May 23, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 Jul 24, 2014 0.739757 Aug 25, 2014 Aug 22, 2014 0.739757 Dec 26, 2014 Jul 24, 2014 0.739757 Dec 26, 2014 Jun 24, 2014 0.739757 Dec 26, 2014 Sep 24, 2014 0.739757 Dec 26, 2014 Sep 24, 2014 0.739757 Dec 26, 2014 Jun 29, 2015 0.739757 Dec 26, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Mar 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Jul 25, 2012	Aug 24, 2012	0.739757
Oct 25, 2012 Nov 23, 2012 0.739757 Nov 26, 2012 Dec 24, 2012 0.739757 Dec 26, 2012 Jan 24, 2013 0.739757 Jan 25, 2013 Feb 22, 2013 0.739757 Feb 25, 2013 Mar 22, 2013 0.739757 Mar 25, 2013 May 24, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 Jun 25, 2013 May 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Jun 25, 2013 Aug 23, 2013 0.739757 Aug 26, 2013 Sep 24, 2013 0.739757 Oct 25, 2013 Nov 22, 2013 0.739757 Nov 25, 2013 Dec 24, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Jan 27, 2014 Feb 24, 2014 0.739757 Mar 25, 2014 Mar 24, 2014 0.739757 Mar 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 Jul 24, 2014 0.739757 Aug 27, 2014 Jul 24, 2014 0.739757 Aug 25, 2014 Aug 22, 2014 0.739757 Dec 26, 2014 Oct 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 0.739757 Dec 26, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Mar 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Aug 27, 2012	Sep 24, 2012	0.739757
Nov 26, 2012 Dec 24, 2012 0.739757 Dec 26, 2012 Jan 24, 2013 0.739757 Jan 25, 2013 Feb 22, 2013 0.739757 Feb 25, 2013 Mar 22, 2013 0.739757 Mar 25, 2013 Apr 24, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Jul 25, 2013 Aug 23, 2013 0.739757 Aug 26, 2013 Sep 24, 2013 0.739757 Oct 25, 2013 Nov 22, 2013 0.739757 Nov 25, 2013 Dec 24, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Jan 27, 2014 Feb 24, 2014 0.739757 Mar 25, 2014 Mar 24, 2014 0.739757 Mar 25, 2014 May 23, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 Jul 24, 2014 0.739757 Jun 25, 2014 Jul 24, 2014 0.739757 Jun 25, 2014 Jul 24, 2014 0.739757 Aug 25, 2014 Aug 22, 2014 0.739757 Jun 25, 2014 Aug 22, 2014 0.739757 Aug 25, 2014 Aug 22, 2014 0.739757 Dec 26, 2014 Oct 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 0.739757 Dec 26, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Mar 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Sep 25, 2012	Oct 24, 2012	0.739757
Dec 26, 2012 Jan 24, 2013 O.739757 Jan 25, 2013 Feb 22, 2013 O.739757 Feb 25, 2013 Mar 22, 2013 O.739757 Mar 25, 2013 Apr 24, 2013 O.739757 Apr 25, 2013 May 24, 2013 Jun 24, 2013 O.739757 May 28, 2013 Jun 24, 2013 Jun 25, 2013 Aug 23, 2013 Aug 23, 2013 O.739757 Aug 26, 2013 Sep 24, 2013 O.739757 Nov 25, 2013 Nov 22, 2013 O.739757 Dec 26, 2013 Dec 24, 2013 Dec 24, 2013 Dec 26, 2013 Dec 26, 2013 Jun 27, 2014 Feb 24, 2014 O.739757 Mar 25, 2014 Mar 24, 2014 O.739757 May 27, 2014 Jun 24, 2014 O.739757 May 27, 2014 Jun 24, 2014 O.739757 Apr 25, 2014 May 23, 2014 O.739757 Jun 25, 2014 Jun 24, 2014 O.739757 Jun 25, 2014 Jun 24, 2014 O.739757 Jun 25, 2014 Jun 24, 2014 O.739757 Jun 25, 2014 Aug 22, 2014 O.739757 Aug 25, 2014 Aug 22, 2014 O.739757 Aug 25, 2014 Oct 24, 2014 O.739757 Aug 25, 2014 Oct 24, 2014 O.739757 Dec 26, 2014 Oct 27, 2014 Nov 24, 2014 O.739757 Dec 26, 2014 Dec 24, 2014 O.739757 Dec 26, 2014 Dec 24, 2014 O.739757 Aug 25, 2014 Oct 27, 2014 Nov 24, 2014 O.739757 Dec 26, 2014 Dec 26, 2014 Dec 26, 2014 Dec 26, 2015 Dec 26, 2015 Mar 24, 2015 O.739757 Mar 25, 2015 Mar 26, 2015 Jun 24, 2015 O.739757 May 26, 2015 Jun 27, 2015 May 22, 2015 O.739757	Oct 25, 2012	Nov 23, 2012	0.739757
Jan 25, 2013 Feb 22, 2013 0.739757 Feb 25, 2013 Mar 22, 2013 0.739757 Mar 25, 2013 Apr 24, 2013 0.739757 Apr 25, 2013 May 24, 2013 0.739757 Jun 25, 2013 Jun 24, 2013 0.739757 Jul 25, 2013 Aug 23, 2013 0.739757 Aug 26, 2013 Sep 24, 2013 0.739757 Sep 25, 2013 Oct 24, 2013 0.739757 Nov 25, 2013 Dec 24, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Jan 27, 2014 Feb 24, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 Jun 24, 2014 0.739757 Apr 25, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 Jun 24, 2014 0.739757 Aug 25, 2014 Aug 22, 2014 0.739757 Aug 25, 2014 Aug 22, 2014 0.739757 Dec 26, 2014 Jun 24, 2014 0.739757 Aug 25, 2014 Aug 22, 2014 0.739757 Aug 25, 2014 Oct 24, 2014 0.739757 Aug 25, 2014 Oct 24, 2014 0.739757 Dec 26, 2014 Oct 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jun 23, 2015 0.739757 Dec 26, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Mar 24, 2015 0.739757 Mar 27, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Nov 26, 2012	Dec 24, 2012	0.739757
Feb 25, 2013	Dec 26, 2012	Jan 24, 2013	0.739757
Mar 25, 2013	Jan 25, 2013	Feb 22, 2013	0.739757
Apr 25, 2013 May 24, 2013 0.739757 May 28, 2013 Jun 24, 2013 0.739757 Jun 25, 2013 Jul 24, 2013 0.739757 Jul 25, 2013 Aug 23, 2013 0.739757 Aug 26, 2013 Sep 24, 2013 0.739757 Oct 25, 2013 Nov 22, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Dec 26, 2014 Mar 24, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 Aug 23, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 Aug 22, 2014 0.739757 Aug 25, 2014 Aug 22, 2014 0.739757 Oct 27, 2014 Sep 24, 2014 0.739757 Oct 27, 2014 Oct 24, 2014 0.739757 Oct 27, 2014 Oct 24, 2014 0.739757 Dec 26, 2014 Oct 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2015 Feb 24, 2015 0.739757 Mar 25, 2015 Mar 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Feb 25, 2013	Mar 22, 2013	0.739757
May 28, 2013 Jun 24, 2013 O.739757 Jun 25, 2013 Jul 24, 2013 O.739757 Aug 26, 2013 Sep 24, 2013 O.739757 Oct 25, 2013 Oct 24, 2013 O.739757 Nov 25, 2013 Dec 24, 2013 O.739757 Dec 26, 2013 Jan 24, 2014 O.739757 Mar 25, 2014 Mar 24, 2014 O.739757 May 27, 2014 Jun 24, 2014 O.739757 Jun 25, 2014 Jun 24, 2014 O.739757 May 27, 2014 Jun 24, 2014 O.739757 Jun 25, 2014 Jun 24, 2014 O.739757 Jun 25, 2014 Jun 24, 2014 O.739757 Jun 25, 2014 Jun 24, 2014 O.739757 Aug 25, 2014 Aug 22, 2014 O.739757 Aug 25, 2014 Oct 24, 2014 O.739757 Aug 25, 2014 Oct 24, 2014 O.739757 Sep 25, 2014 Oct 24, 2014 O.739757 Oct 27, 2014 Nov 24, 2014 O.739757 Dec 26, 2014 Oct 24, 2014 O.739757 Dec 26, 2014 Oct 24, 2014 O.739757 Dec 26, 2014 Dec 24, 2015 O.739757 Mar 25, 2015 Mar 24, 2015 O.739757 Mar 25, 2015 Mar 24, 2015 O.739757 May 26, 2015 Jun 24, 2015 O.739757 May 26, 2015 Jun 24, 2015 O.739757	Mar 25, 2013	Apr 24, 2013	0.739757
Jun 25, 2013 Jul 24, 2013 O.739757 Jul 25, 2013 Aug 26, 2013 Sep 24, 2013 O.739757 Sep 25, 2013 Oct 24, 2013 O.739757 Nov 25, 2013 Dec 24, 2013 Jan 24, 2014 O.739757 Feb 25, 2014 May 27, 2014 Jun 24, 2014 Jun 24, 2014 O.739757 May 25, 2014 Aug 27, 2014 Aug 28, 2014 Aug 29, 2014 Jun 25, 2014 Aug 29, 2014 O.739757 Aug 25, 2014 Aug 27, 2014 Jun 28, 2014 O.739757 Aug 25, 2014 Aug 27, 2014 Jun 28, 2014 O.739757 Aug 25, 2014 Aug 27, 2014 Oct 24, 2014 O.739757 Aug 25, 2014 Oct 24, 2014 O.739757 Sep 25, 2014 Oct 24, 2014 O.739757 Oct 27, 2014 Nov 24, 2014 O.739757 Dec 26, 2014 Dec 26, 2014 Oct 27, 2014 Nov 24, 2014 O.739757 Dec 26, 2014 Dec 26, 2014 Oct 27, 2014 Oct 24, 2014 O.739757 Dec 26, 2014 Dec 26, 2014 Dec 27, 2014 Oct 24, 2014 O.739757 Dec 26, 2015 Jan 26, 2015 Oct 27, 2015 Oct 27, 2015 May 26, 2015 Jun 24, 2015 O.739757 May 26, 2015 Jun 24, 2015 O.739757 May 26, 2015 Jun 24, 2015 O.739757	Apr 25, 2013	May 24, 2013	0.739757
Jul 25, 2013 Aug 23, 2013 0.739757 Aug 26, 2013 Sep 24, 2013 0.739757 Sep 25, 2013 Oct 24, 2013 0.739757 Oct 25, 2013 Nov 22, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Jan 27, 2014 Feb 24, 2014 0.739757 Mar 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 Aug 22, 2014 0.739757 Jul 25, 2014 Aug 22, 2014 0.739757 Sep 25, 2014 Oct 24, 2014 0.739757 Aug 25, 2014 Jun 24, 2014 0.739757 Aug 25, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 Aug 22, 2014 0.739757 Sep 25, 2014 Oct 24, 2014 0.739757 Oct 27, 2014 Oct 24, 2014 0.739757 Oct 27, 2014 Nov 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 0.739757 Feb 25, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Mar 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	May 28, 2013	Jun 24, 2013	0.739757
Aug 26, 2013 Sep 24, 2013 0.739757 Sep 25, 2013 Oct 24, 2013 0.739757 Oct 25, 2013 Nov 22, 2013 0.739757 Nov 25, 2013 Dec 24, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Jan 27, 2014 Feb 24, 2014 0.739757 Feb 25, 2014 Mar 24, 2014 0.739757 Mar 25, 2014 May 23, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 Jul 24, 2014 0.739757 Jul 25, 2014 Aug 22, 2014 0.739757 Aug 25, 2014 Aug 22, 2014 0.739757 Oct 27, 2014 Sep 24, 2014 0.739757 Oct 27, 2014 Oct 24, 2014 0.739757 Dec 26, 2014 Oct 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 0.739757 Feb 25, 2015 Mar 24, 2015 0.739757 May 26, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Jun 25, 2013	Jul 24, 2013	0.739757
Sep 25, 2013 Oct 24, 2013 0.739757 Oct 25, 2013 Nov 22, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Jan 27, 2014 Feb 24, 2014 0.739757 Feb 25, 2014 Mar 24, 2014 0.739757 Mar 25, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 Jul 24, 2014 0.739757 Jul 25, 2014 Aug 22, 2014 0.739757 Aug 25, 2014 Aug 22, 2014 0.739757 Oct 27, 2014 Oct 24, 2014 0.739757 Oct 27, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Oct 24, 2014 0.739757 Dec 26, 2014 Oct 24, 2014 0.739757 Dec 26, 2014 Oct 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Feb 25, 2014 Oct 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 0.739757 Feb 25, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Mar 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Jul 25, 2013	Aug 23, 2013	0.739757
Oct 25, 2013 Nov 22, 2013 0.739757 Nov 25, 2013 Dec 24, 2013 0.739757 Dec 26, 2013 Jan 24, 2014 0.739757 Jan 27, 2014 Feb 24, 2014 0.739757 Feb 25, 2014 Mar 24, 2014 0.739757 Mar 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 Jun 24, 2014 0.739757 Jul 25, 2014 Aug 22, 2014 0.739757 Aug 25, 2014 Sep 24, 2014 0.739757 Oct 27, 2014 Oct 24, 2014 0.739757 Oct 27, 2014 Oct 24, 2014 0.739757 Nov 25, 2014 Oct 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 0.739757 Feb 25, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Aug 26, 2013	Sep 24, 2013	0.739757
Nov 25, 2013 Dec 24, 2013 Dec 26, 2013 Jan 24, 2014 Dray 27, 2014 Feb 24, 2014 Dray 28, 2014 Apr 24, 2014 Dray 27, 2014 Apr 25, 2014 Apr 27, 2014 Apr 28, 2014 Apr 28, 2014 Dray 28, 2014 Dray 29, 2014 Apr 29, 2015	Sep 25, 2013	Oct 24, 2013	0.739757
Dec 26, 2013 Jan 24, 2014 0.739757 Jan 27, 2014 Feb 24, 2014 0.739757 Feb 25, 2014 Mar 24, 2014 0.739757 Mar 25, 2014 Apr 24, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 Jul 24, 2014 0.739757 Jul 25, 2014 Aug 22, 2014 0.739757 Aug 25, 2014 Aug 22, 2014 0.739757 Sep 25, 2014 Oct 24, 2014 0.739757 Oct 27, 2014 Nov 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 0.739757 Feb 25, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Oct 25, 2013	Nov 22, 2013	0.739757
Jan 27, 2014 Feb 24, 2014 0.739757 Feb 25, 2014 Apr 24, 2014 0.739757 Mar 25, 2014 Apr 24, 2014 0.739757 Apr 25, 2014 May 23, 2014 0.739757 Jun 25, 2014 Jun 24, 2014 0.739757 Jul 25, 2014 Jul 24, 2014 0.739757 Jul 25, 2014 Aug 22, 2014 0.739757 Aug 25, 2014 Sep 24, 2014 0.739757 Sep 25, 2014 Oct 24, 2014 0.739757 Oct 27, 2014 Nov 24, 2014 0.739757 Nov 25, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 0.739757 Feb 25, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Apr 24, 2015 0.739757 May 26, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Nov 25, 2013	Dec 24, 2013	0.739757
Feb 25, 2014 Mar 24, 2014 0.739757 Mar 25, 2014 Apr 24, 2014 0.739757 Apr 25, 2014 May 23, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 Aug 22, 2014 0.739757 Aug 25, 2014 Sep 24, 2014 0.739757 Sep 25, 2014 Oct 24, 2014 0.739757 Oct 27, 2014 Nov 24, 2014 0.739757 Nov 25, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 0.739757 Jan 26, 2015 Feb 24, 2015 0.739757 Mar 25, 2015 Mar 24, 2015 0.739757 Apr 27, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Dec 26, 2013	Jan 24, 2014	0.739757
Mar 25, 2014	Jan 27, 2014	Feb 24, 2014	0.739757
Apr 25, 2014 May 23, 2014 0.739757 May 27, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 Jul 24, 2014 0.739757 Jul 25, 2014 Aug 22, 2014 0.739757 Aug 25, 2014 Sep 24, 2014 0.739757 Sep 25, 2014 Oct 24, 2014 0.739757 Oct 27, 2014 Nov 24, 2014 0.739757 Nov 25, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 0.739757 Jan 26, 2015 Feb 24, 2015 0.739757 Mar 25, 2015 Mar 24, 2015 0.739757 Apr 27, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Feb 25, 2014	Mar 24, 2014	0.739757
May 27, 2014 Jun 24, 2014 0.739757 Jun 25, 2014 Jul 24, 2014 0.739757 Jul 25, 2014 Aug 22, 2014 0.739757 Aug 25, 2014 Sep 24, 2014 0.739757 Oct 27, 2014 Nov 24, 2014 0.739757 Nov 25, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 Jan 26, 2015 Feb 24, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Apr 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Mar 25, 2014	Apr 24, 2014	0.739757
Jun 25, 2014 Jul 24, 2014 0.739757 Jul 25, 2014 Aug 22, 2014 0.739757 Aug 25, 2014 Sep 24, 2014 0.739757 Sep 25, 2014 0ct 24, 2014 0.739757 Oct 27, 2014 Nov 24, 2014 0.739757 Nov 25, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 0.739757 Jan 26, 2015 Feb 24, 2015 0.739757 Mar 25, 2015 Mar 24, 2015 0.739757 Apr 27, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Apr 25, 2014	May 23, 2014	0.739757
Jul 25, 2014 Aug 22, 2014 0.739757 Aug 25, 2014 Sep 24, 2014 0.739757 Sep 25, 2014 Oct 24, 2014 0.739757 Oct 27, 2014 Nov 24, 2014 0.739757 Nov 25, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 0.739757 Jan 26, 2015 Feb 24, 2015 0.739757 Feb 25, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Apr 24, 2015 0.739757 Apr 27, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	May 27, 2014	Jun 24, 2014	0.739757
Aug 25, 2014 Sep 24, 2014 0.739757 Sep 25, 2014 Oct 24, 2014 0.739757 Oct 27, 2014 Nov 24, 2014 0.739757 Nov 25, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 0.739757 Jan 26, 2015 Feb 24, 2015 0.739757 Feb 25, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Apr 24, 2015 0.739757 Apr 27, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Jun 25, 2014	Jul 24, 2014	0.739757
Sep 25, 2014 Oct 24, 2014 0.739757 Oct 27, 2014 Nov 24, 2014 0.739757 Nov 25, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 0.739757 Jan 26, 2015 Feb 24, 2015 0.739757 Feb 25, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Apr 24, 2015 0.739757 Apr 27, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Jul 25, 2014	Aug 22, 2014	0.739757
Oct 27, 2014 Nov 24, 2014 0.739757 Nov 25, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 0.739757 Jan 26, 2015 Feb 24, 2015 0.739757 Feb 25, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Apr 24, 2015 0.739757 Apr 27, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Aug 25, 2014	Sep 24, 2014	0.739757
Nov 25, 2014 Dec 24, 2014 0.739757 Dec 26, 2014 Jan 23, 2015 0.739757 Jan 26, 2015 Feb 24, 2015 0.739757 Feb 25, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Apr 24, 2015 0.739757 Apr 27, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Sep 25, 2014	Oct 24, 2014	0.739757
Dec 26, 2014 Jan 23, 2015 0.739757 Jan 26, 2015 Feb 24, 2015 0.739757 Feb 25, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Apr 24, 2015 0.739757 Apr 27, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Oct 27, 2014	Nov 24, 2014	0.739757
Jan 26, 2015 Feb 24, 2015 0.739757 Feb 25, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Apr 24, 2015 0.739757 Apr 27, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Nov 25, 2014	Dec 24, 2014	0.739757
Feb 25, 2015 Mar 24, 2015 0.739757 Mar 25, 2015 Apr 24, 2015 0.739757 Apr 27, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Dec 26, 2014	Jan 23, 2015	0.739757
Mar 25, 2015 Apr 24, 2015 0.739757 Apr 27, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Jan 26, 2015	Feb 24, 2015	0.739757
Apr 27, 2015 May 22, 2015 0.739757 May 26, 2015 Jun 24, 2015 0.739757	Feb 25, 2015	Mar 24, 2015	0.739757
May 26, 2015 Jun 24, 2015 0.739757	Mar 25, 2015	Apr 24, 2015	0.739757
lun 2F 201F	Apr 27, 2015	May 22, 2015	0.739757
Jun 25, 2015 0.739757	May 26, 2015	Jun 24, 2015	0.739757
	Jun 25, 2015		0.739757

A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	0.978618
Jun 25, 2007	Jul 24, 2007	0.958882
Jul 25, 2007	Aug 24, 2007	0.927749
Aug 27, 2007	Sep 24, 2007	0.860050
Sep 25, 2007	Oct 24, 2007	0.841113
Oct 25, 2007	Nov 23, 2007	0.822012
Nov 26, 2007	Dec 24, 2007	0.791082
Dec 26, 2007	Jan 24, 2008	0.771120
Jan 25, 2008	Feb 22, 2008	0.741391
Feb 25, 2008	Mar 24, 2008	
Mar 25, 2008	Apr 24, 2008	0.719927
Apr 25, 2008	May 23, 2008	0.699982
May 27, 2008	Jun 24, 2008	0.680199
Jun 25, 2008	Jul 24, 2008	0.662761
Jul 25, 2008	Aug 22, 2008	0.643782
Aug 25, 2008	Sep 24, 2008	0.616815
Sep 25, 2008	Oct 24, 2008	0.599544
	Nov 24, 2008	0.587863
Oct 27, 2008 Nov 25, 2008	•	0.566645
·	Dec 24, 2008	0.546161
Dec 26, 2008	Jan 23, 2009	0.530257
Jan 26, 2009	Feb 24, 2009	0.508444
Feb 25, 2009	Mar 24, 2009	0.490801
Mar 25, 2009	Apr 24, 2009	0.472823
Apr 27, 2009	May 22, 2009	0.456965
May 26, 2009	Jun 24, 2009	0.438775
Jun 25, 2009	Jul 24, 2009	0.422386
Jul 27, 2009	Aug 24, 2009	0.404295
Aug 25, 2009	Sep 24, 2009	0.388962
Sep 25, 2009	Oct 23, 2009	0.375418
Oct 26, 2009	Nov 24, 2009	0.360481
Nov 25, 2009	Dec 24, 2009	0.351279
Dec 28, 2009	Jan 22, 2010	0.334157
Jan 25, 2010	Feb 24, 2010	0.321636
Feb 25, 2010	Mar 24, 2010	0.310417
Mar 25, 2010	Apr 23, 2010	0.300083
Apr 26, 2010	May 24, 2010	0.290321
May 25, 2010	Jun 24, 2010	0.280416
Jun 25, 2010	Jul 23, 2010	0.268029
Jul 26, 2010	Aug 24, 2010	0.257145
Aug 25, 2010	Sep 24, 2010	0.248575
Sep 27, 2010	Oct 22, 2010	0.243361
Oct 25, 2010	Nov 24, 2010	0.233759
Nov 26, 2010	Dec 23, 2010	0.218201
Dec 27, 2010	Jan 24, 2011	0.210452
Jan 25, 2011	Feb 24, 2011	0.201856
Feb 25, 2011	Mar 24, 2011	0.192399
Mar 25, 2011	Apr 22, 2011	0.184691
Apr 25, 2011	May 24, 2011	0.172724
May 25, 2011	Jun 24, 2011	0.167823
Jun 27, 2011	Jul 22, 2011	0.159282

A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Jul 25, 2011	Aug 24, 2011	0.147694
Aug 25, 2011	Sep 23, 2011	0.141749
Sep 26, 2011	Oct 24, 2011	0.135830
Oct 25, 2011	Nov 23, 2011	0.126863
Nov 25, 2011	Dec 23, 2011	0.119873
Dec 27, 2011	Jan 24, 2012	0.110915
Jan 25, 2012	Feb 24, 2012	0.104943
Feb 27, 2012	Mar 23, 2012	0.098260
Mar 26, 2012	Apr 24, 2012	0.092963
Apr 25, 2012	May 24, 2012	0.087936
May 25, 2012	Jun 22, 2012	0.083751
Jun 25, 2012	Jul 24, 2012	0.077751
Jul 25, 2012	Aug 24, 2012	0.070775
Aug 27, 2012	Sep 24, 2012	0.065632
Sep 25, 2012	Oct 24, 2012	0.061795
Oct 25, 2012	Nov 23, 2012	0.055608
Nov 26, 2012	Dec 24, 2012	0.044535
Dec 26, 2012	Jan 24, 2013	0.037365
Jan 25, 2013	Feb 22, 2013	0.030465
Feb 25, 2013	Mar 22, 2013	0.027607
Mar 25, 2013	Apr 24, 2013	0.021472
Apr 25, 2013	May 24, 2013	0.013345
May 28, 2013	Jun 24, 2013	0.007922
Jun 25, 2013	Jul 24, 2013	0.000468
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

A3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
		1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

A3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	0.975900
Aug 26, 2013	Sep 24, 2013	0.956112
Sep 25, 2013	Oct 24, 2013	0.929905
Oct 25, 2013	Nov 22, 2013	0.909902
Nov 25, 2013	Dec 24, 2013	0.877627
Dec 26, 2013	Jan 24, 2014	0.854099
Jan 27, 2014	Feb 24, 2014	0.834712
Feb 25, 2014	Mar 24, 2014	0.822995
Mar 25, 2014	Apr 24, 2014	0.806677
Apr 25, 2014	May 23, 2014	0.780953
May 27, 2014	Jun 24, 2014	0.752690
Jun 25, 2014	Jul 24, 2014	0.726888
Jul 25, 2014	Aug 22, 2014	0.710042
Aug 25, 2014	Sep 24, 2014	0.679439
Sep 25, 2014	Oct 24, 2014	0.652231
Oct 27, 2014	Nov 24, 2014	0.630867
Nov 25, 2014	Dec 24, 2014	0.610123
Dec 26, 2014	Jan 23, 2015	0.593364
Jan 26, 2015	Feb 24, 2015	0.570263
Feb 25, 2015	Mar 24, 2015	0.556304
Mar 25, 2015	Apr 24, 2015	0.547570
Apr 27, 2015	May 22, 2015	0.526882
May 26, 2015	Jun 24, 2015	0.502460
Jun 25, 2015		0.484480

A4 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
		1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

A4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

A5 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
		1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

A5 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
		1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

M1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M2 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
		1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

M2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
		1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

M3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M4 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
		1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

M4 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M5 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
		1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

M5 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M6 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
		1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

M6 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M7 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
		1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

M7 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M8 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
		1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

M8 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M9 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 24, 2007	1.000000
May 25, 2007	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
		1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000

M9 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.984948
Jul 25, 2007	Aug 24, 2007	0.972290
Aug 27, 2007	Sep 24, 2007	0.955749
Sep 25, 2007	Oct 24, 2007	0.947091
Oct 25, 2007	Nov 23, 2007	0.932569
Nov 26, 2007	Dec 24, 2007	0.913210
Dec 26, 2007	Jan 24, 2008	0.899960
Jan 25, 2008	Feb 22, 2008	0.891115
Feb 25, 2008	Mar 24, 2008	0.873975
Mar 25, 2008	Apr 24, 2008	0.855369
Apr 25, 2008	May 23, 2008	0.837870
May 27, 2008	Jun 24, 2008	0.823822
Jun 25, 2008	Jul 24, 2008	0.811533
Jul 25, 2008	Aug 22, 2008	0.797336
Aug 25, 2008	Sep 24, 2008	0.786586
Sep 25, 2008	Oct 24, 2008	0.780688
Oct 27, 2008	Nov 24, 2008	0.769453
Nov 25, 2008	Dec 24, 2008	0.756847
Dec 26, 2008	Jan 23, 2009	0.744209
Jan 26, 2009	Feb 24, 2009	0.732090
Feb 25, 2009	Mar 24, 2009	0.719931
Mar 25, 2009	Apr 24, 2009	0.706871
Apr 27, 2009	May 22, 2009	
May 26, 2009	Jun 24, 2009	0.697166
Jun 25, 2009	Jul 24, 2009	0.685548
Jul 27, 2009	Aug 24, 2009	0.675484
Aug 25, 2009	Sep 24, 2009	0.667202 0.653397
Sep 25, 2009	Oct 23, 2009	0.642294
Oct 26, 2009	Nov 24, 2009	0.633212
Nov 25, 2009	Dec 24, 2009	0.624454
Dec 28, 2009	Jan 22, 2010	0.615100
Jan 25, 2010	Feb 24, 2010	0.608140
Feb 25, 2010	Mar 24, 2010	0.602883
Mar 25, 2010	Apr 23, 2010	0.597347
Apr 26, 2010	May 24, 2010	0.593078
May 25, 2010	Jun 24, 2010	0.584893
Jun 25, 2010	Jul 23, 2010	0.575289
Jul 26, 2010	Aug 24, 2010	0.568013
Aug 25, 2010	Sep 24, 2010	0.561901
Sep 27, 2010	Oct 22, 2010	0.555084
Oct 25, 2010	Nov 24, 2010	0.549079
Nov 26, 2010	Dec 23, 2010	0.543889
Dec 27, 2010	Jan 24, 2011	0.536117
Jan 25, 2011	Feb 24, 2011	0.528940
Feb 25, 2011	Mar 24, 2011	0.524009
Mar 25, 2011	Apr 22, 2011	0.519268
Apr 25, 2011	May 24, 2011	0.513688
May 25, 2011	Jun 24, 2011	0.510622
Jun 27, 2011	Jul 22, 2011	0.505701
Jul 25, 2011	Aug 24, 2011	0.500778

A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	0.495729
Sep 26, 2011	Oct 24, 2011	0.491406
Oct 25, 2011	Nov 23, 2011	0.488629
Nov 25, 2011	Dec 23, 2011	0.485343
Dec 27, 2011	Jan 24, 2012	0.482744
Jan 25, 2012	Feb 24, 2012	0.478754
Feb 27, 2012	Mar 23, 2012	0.472598
Mar 26, 2012	Apr 24, 2012	0.469049
Apr 25, 2012	May 24, 2012	0.465077
May 25, 2012	Jun 22, 2012	0.459168
Jun 25, 2012	Jul 24, 2012	0.455562
Jul 25, 2012	Aug 24, 2012	0.451129
Aug 27, 2012	Sep 24, 2012	0.446784
Sep 25, 2012	Oct 24, 2012	0.441778
Oct 25, 2012	Nov 23, 2012	0.439128
Nov 26, 2012	Dec 24, 2012	0.436632
Dec 26, 2012	Jan 24, 2013	0.433975
Jan 25, 2013	Feb 22, 2013	0.430457
Feb 25, 2013	Mar 22, 2013	0.427302
Mar 25, 2013	Apr 24, 2013	0.420941
Apr 25, 2013	May 24, 2013	0.416906
May 28, 2013	Jun 24, 2013	0.412154
Jun 25, 2013	Jul 24, 2013	0.407519
Jul 25, 2013	Aug 23, 2013	0.403090
Aug 26, 2013	Sep 24, 2013	0.398412
Sep 25, 2013	Oct 24, 2013	0.394353
Oct 25, 2013	Nov 22, 2013	0.390154
Nov 25, 2013	Dec 24, 2013	0.383992
Dec 26, 2013	Jan 24, 2014	0.380241
Jan 27, 2014	Feb 24, 2014	0.377177
Feb 25, 2014	Mar 24, 2014	0.372554
Mar 25, 2014	Apr 24, 2014	0.369477
Apr 25, 2014	May 23, 2014	0.364207
May 27, 2014	Jun 24, 2014	0.361660
Jun 25, 2014	Jul 24, 2014	0.357475
Jul 25, 2014	Aug 22, 2014	0.353311
Aug 25, 2014	Sep 24, 2014	0.349846
Sep 25, 2014	Oct 24, 2014	0.348093
Oct 27, 2014	Nov 24, 2014	0.345181
Nov 25, 2014	Dec 24, 2014	0.341652
Dec 26, 2014	Jan 23, 2015	0.336455
Jan 26, 2015	Feb 24, 2015	0.331643
Feb 25, 2015	Mar 24, 2015	0.330215
Mar 25, 2015	Apr 24, 2015	0.328452
Apr 27, 2015	May 22, 2015	0.326232
May 26, 2015	Jun 24, 2015	0.323140
Jun 25, 2015		0.320752

A2 Certificate Writedown Free Factor Chart

From	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.970026
Jul 25, 2007	Aug 24, 2007	0.949291
Aug 27, 2007	Sep 24, 2007	0.932700
Sep 25, 2007	Oct 24, 2007	0.915738
Oct 25, 2007	Nov 23, 2007	0.900879
Nov 26, 2007	Dec 24, 2007	0.860818
Dec 26, 2007	Jan 24, 2008	0.839868
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	0.807190
Mar 25, 2008	Apr 24, 2008	0.783091
Apr 25, 2008	May 23, 2008	0.766187
May 27, 2008	Jun 24, 2008	0.744230
Jun 25, 2008	Jul 24, 2008	0.726322
Jul 25, 2008	Aug 22, 2008	0.709794
	-	0.685393
Aug 25, 2008	Sep 24, 2008	0.667272
Sep 25, 2008	Oct 24, 2008	0.649857
Oct 27, 2008	Nov 24, 2008	0.635446
Nov 25, 2008	Dec 24, 2008	0.613790
Dec 26, 2008	Jan 23, 2009	0.593954
Jan 26, 2009	Feb 24, 2009	0.576263
Feb 25, 2009	Mar 24, 2009	0.557117
Mar 25, 2009	Apr 24, 2009	0.537885
Apr 27, 2009	May 22, 2009	0.514172
May 26, 2009	Jun 24, 2009	0.499614
Jun 25, 2009	Jul 24, 2009	0.479257
Jul 27, 2009	Aug 24, 2009	0.460524
Aug 25, 2009	Sep 24, 2009	0.443187
Sep 25, 2009	Oct 23, 2009	0.429611
Oct 26, 2009	Nov 24, 2009	0.416302
Nov 25, 2009	Dec 24, 2009	0.403134
Dec 28, 2009	Jan 22, 2010	0.389090
Jan 25, 2010	Feb 24, 2010	0.368853
Feb 25, 2010	Mar 24, 2010	0.356065
Mar 25, 2010	Apr 23, 2010	0.343128
Apr 26, 2010	May 24, 2010	0.331851
May 25, 2010	Jun 24, 2010	0.324563
Jun 25, 2010	Jul 23, 2010	0.322464
Jul 26, 2010	Aug 24, 2010	0.313795
Aug 25, 2010	Sep 24, 2010	0.306577
Sep 27, 2010	Oct 22, 2010	0.301914
Oct 25, 2010	Nov 24, 2010	0.294099
Nov 26, 2010	Dec 23, 2010	0.282157
Dec 27, 2010	Jan 24, 2011	0.275989
Jan 25, 2011	Feb 24, 2011	0.267090
Feb 25, 2011	Mar 24, 2011	0.258190
Mar 25, 2011	Apr 22, 2011	0.247630
Apr 25, 2011	May 24, 2011	0.240256
May 25, 2011	Jun 24, 2011	0.232233
Jun 27, 2011	Jul 22, 2011	0.221869
Jul 25, 2011	Aug 24, 2011	0.211494

A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	0.204945
Sep 26, 2011	Oct 24, 2011	0.200120
Oct 25, 2011	Nov 23, 2011	0.192117
Nov 25, 2011	Dec 23, 2011	0.185497
Dec 27, 2011	Jan 24, 2012	0.178886
Jan 25, 2012	Feb 24, 2012	0.170913
Feb 27, 2012	Mar 23, 2012	0.164561
Mar 26, 2012	Apr 24, 2012	0.156897
Apr 25, 2012	May 24, 2012	0.154381
May 25, 2012	Jun 22, 2012	0.146849
Jun 25, 2012	Jul 24, 2012	0.142198
Jul 25, 2012	Aug 24, 2012	0.134575
Aug 27, 2012	Sep 24, 2012	0.127521
Sep 25, 2012	Oct 24, 2012	0.119906
Oct 25, 2012	Nov 23, 2012	0.110747
Nov 26, 2012	Dec 24, 2012	0.106044
Dec 26, 2012	Jan 24, 2013	0.099577
Jan 25, 2013	Feb 22, 2013	0.094540
Feb 25, 2013	Mar 22, 2013	0.084597
Mar 25, 2013	Apr 24, 2013	0.081927
Apr 25, 2013	May 24, 2013	0.073861
May 28, 2013	Jun 24, 2013	0.066479
Jun 25, 2013	Jul 24, 2013	0.062039
Jul 25, 2013	Aug 23, 2013	0.056747
Aug 26, 2013	Sep 24, 2013	0.051329
Sep 25, 2013	Oct 24, 2013	0.045457
Oct 25, 2013	Nov 22, 2013	0.040511
Nov 25, 2013	Dec 24, 2013	0.031004
Dec 26, 2013	Jan 24, 2014	0.026152
Jan 27, 2014	Feb 24, 2014	0.020322
Feb 25, 2014	Mar 24, 2014	0.014478
Mar 25, 2014	Apr 24, 2014	0.010894
Apr 25, 2014	May 23, 2014	0.003812
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

A3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
	-	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

A3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	0.959497
Jun 25, 2014	Jul 24, 2014	0.929489
Jul 25, 2014	Aug 22, 2014	0.893739
Aug 25, 2014	Sep 24, 2014	0.865142
Sep 25, 2014	Oct 24, 2014	0.833011
Oct 27, 2014	Nov 24, 2014	0.787402
Nov 25, 2014	Dec 24, 2014	0.754637
Dec 26, 2014	Jan 23, 2015	0.736300
Jan 26, 2015	Feb 24, 2015	0.710298
Feb 25, 2015	Mar 24, 2015	0.682261
Mar 25, 2015	Apr 24, 2015	0.661312
Apr 27, 2015	May 22, 2015	0.615378
May 26, 2015	Jun 24, 2015	0.587911
Jun 25, 2015		0.546519

A4 Certificate Writedown Free Factor Chart

Jun 25, 2007 Jul 25, 2007 Jul 25, 2007 Jul 25, 2007 Aug 24, 2007 Jul 25, 2007 Aug 27, 2007 Sep 24, 2007 Sep 25, 2007 Oct 25, 2007 Nov 23, 2007 Jul 25, 2007 Nov 23, 2007 Jul 25, 2007 Nov 24, 2007 Jul 25, 2007 Nov 25, 2007 Nov 25, 2007 Jul 25, 2008 Feb 22, 2008 Jul 25, 2008 Mar 24, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 26, 2008 Jul 27, 2008 Jul 28, 2008 Jul 28, 2008 Jul 28, 2008 Jul 29, 2008 Jul 29, 2008 Jul 20, 2009 Jul 21, 2009 Jul 22, 2009 Jul 22, 2009 Jul 23, 2009 Jul 24, 2009 Jul 27, 2009 Jul 28, 2009 Jul 28, 2009 Jul 28, 2009 Jul 29, 2009 Ju	From	То	Writedown Free Factor
Jul 25, 2007 Aug 24, 2007 1.000000 Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 27, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Nov 25, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Mar 25, 2009 Sep 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2001 Jul 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Dec 27, 2010 Jul 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2011 1.000000 Dec 27, 2010 Jul 24, 2011 1.000000 Dec 27, 2011 Jul 24, 2011 1.000000 Dec 27, 2011 Jul 24, 2011 1.000000 Jul 27, 2011 Jul 22, 2011 1.000000		Jun 22, 2007	1.000000
Jul 25, 2007 Aug 24, 2007 1.000000 Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 May 23, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2009 1.000000 Apr 25, 2009 Feb 24, 2009 1.000000 Jul 25, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 Apr 27, 2009 Jul 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 26, 2010 Jul 28, 2010 1.000000 Apr 27, 2011 Jul	Jun 25, 2007	Jul 24, 2007	1 000000
Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Aug 22, 2008 1.000000 Jun 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Peb 25, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2011 1.000000 Aug 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000	Jul 25, 2007	Aug 24, 2007	
Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Apr 24, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 May 23, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Aug 22, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 <t< td=""><td>Aug 27, 2007</td><td>Sep 24, 2007</td><td></td></t<>	Aug 27, 2007	Sep 24, 2007	
Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Jun 25, 2008 Mar 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Aug 27, 2008 Jul 24, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Feb 25, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Sep 25, 2009 Jul 24, 2009 1.000000 Dec 28, 2009 Jul 24, 2000 1.000000 Dec 28, 2001 Jul 28, 2010 1.000000 Dec 29, 2010 Jul 28, 2010 1.00	Sep 25, 2007	Oct 24, 2007	
Nov 26, 2007 Dec 24, 2008 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Feb 25, 2008 Feb 22, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 May 23, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 May 23, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Feb 25, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 May 22, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Dec 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 24, 2011 1.000000 Aug 25, 2011 Jul 22, 2011 1.000000	Oct 25, 2007	Nov 23, 2007	
Dec 26, 2007	Nov 26, 2007	Dec 24, 2007	
Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 May 23, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2000 Jul 24, 2009 1.000000 Aug 25, 2000 Jul 24, 2000 1.000000 Aug 25, 2000 Jul	Dec 26, 2007	Jan 24, 2008	
Feb 25, 2008 Mar 24, 2008 1,000000 Mar 25, 2008 Apr 24, 2008 1,000000 Apr 25, 2008 May 23, 2008 1,000000 May 27, 2008 Jun 24, 2008 1,000000 Jun 25, 2008 Jul 24, 2008 1,000000 Jul 25, 2008 Aug 22, 2008 1,000000 Aug 25, 2008 Sep 24, 2008 1,000000 Sep 25, 2008 Oct 24, 2008 1,000000 Oct 27, 2008 Nov 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Dec 26, 2008 Jan 23, 2009 1,000000 Jan 26, 2009 Feb 24, 2009 1,000000 Feb 25, 2009 Mar 24, 2009 1,000000 Apr 27, 2009 May 22, 2009 1,000000 May 26, 2009 Jun 24, 2009 1,000000 Jun 27, 2009 Aug 24, 2009 1,000000 Jun 27, 2009 Aug 24, 2009 1,000000 Jun 27, 2009 <t< td=""><td>Jan 25, 2008</td><td></td><td></td></t<>	Jan 25, 2008		
Mar 25, 2008		Mar 24. 2008	
Apr 25, 2008	·		
May 27, 2008 Jun 24, 2008 Jun 24, 2008 Jun 25, 2008 Jul 24, 2008 Jul 25, 2008 Aug 22, 2008 Aug 25, 2008 Sep 24, 2008 L000000 Sep 25, 2008 Oct 24, 2008 L000000 Oct 27, 2008 Nov 24, 2008 Jan 23, 2009 Jan 26, 2009 Feb 25, 2009 Mar 24, 2009 Jun 25, 2009 May 26, 2009 Jun 27, 2009 Aug 25, 2009 Aug 27, 2009 Aug 28, 2009 Jun 24, 2009 Jun 26, 2009 Jun 27, 2009 Jun 28, 2009 Jun 28, 2009 Jun 28, 2009 Jun 29, 2009 Jun 200000 Aug 25, 2009 Aug 24, 2009 Jun 26, 2009 Jun 27, 2009 Aug 28, 2009 Jun 28, 2009 Jun 29, 2009 Aug 20, 2000		-	
Jun 25, 2008 Jul 24, 2008 Jul 25, 2008 Aug 25, 2008 Aug 25, 2008 Sep 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 Jul 26, 2008 Jul 27, 2008 Jul 27, 2009 Jul 28, 2009 Jul 27, 2009 Aug 25, 2009 Aug 25, 2009 Aug 25, 2009 Aug 25, 2009 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 24, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Aug 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Jul 26, 2010 Aug 27, 2010 Jul 28, 2010 Jul 29, 2010 Jul 200000 Aug 29, 2010 Jul 29, 2010 Jul 200000 Aug 29, 2010 Jul 29, 2010 Jul 200000 Aug 20, 2010 Jul 200000 Aug 20, 2010 Jul 20, 2011 J			1.000000
Jul 25, 2008			
Aug 25, 2008			1.000000
Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jun 27, 2009 Aug 24, 2009 1.000000 Jun 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Oct 26, 2009 Jul 24, 2009 1.000000 Sep 25, 2009 Sep 24, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 May 24, 2010 1.000000 Mar 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Doc 27, 2010 Jul 23, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000			1.000000
Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.00000 Mar 25, 2009 Apr 24, 2009 1.00000 May 26, 2009 Jun 24, 2009 1.00000 Jun 25, 2009 Jul 24, 2009 1.00000 Jul 27, 2009 Aug 24, 2009 1.00000 Aug 25, 2009 Sep 24, 2009 1.00000 Sep 25, 2009 Oct 23, 2009 1.00000 Nov 26, 2009 Nov 24, 2009 1.00000 Nov 27, 2009 Dec 24, 2009 1.00000 Nov 28, 2009 Jan 2000 1.00000 Nov 29, 2009 Jan 2000 1.00000 Mar 25, 2010 Mar 24, 2010 1.00000 Jan 25, 2010 Feb 24, 2010 1.00000 Mar 25, 2010 Mar 24, 2010 1.00000 Mar 26, 2010 May 24, 2010 1.00000 May 25, 2010 Jul 23, 2010			1.000000
Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Nov 25, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Sep 24, 2010 1.000000 Doct 25, 2010 Nov 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000		-	1.000000
Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Dec 27, 2010 Jun 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000			1.000000
Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Dec 27, 2010 Jun 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Pec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Nov 25, 2008	Dec 24, 2008	1.000000
Feb 25, 2009	Dec 26, 2008	Jan 23, 2009	1.000000
Mar 25, 2009	Jan 26, 2009	Feb 24, 2009	1.000000
Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Nov 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Aug 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Feb 25, 2009	Mar 24, 2009	1.000000
May 26, 2009 Jun 25, 2009 Jul 24, 2009 Jul 27, 2009 Aug 24, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 Cot 26, 2009 Nov 24, 2009 Jul 27, 2009 Nov 24, 2009 Nov 25, 2009 Dec 24, 2009 Jul 27, 2009 Dec 28, 2009 Jul 29, 2010 Mar 24, 2010 Mar 25, 2010 May 25, 2010 May 24, 2010 May 25, 2010 May 25, 2010 May 24, 2010 Jul 28, 2010 Jul 29, 2010 Aug 24, 2010 Jul 20, 2010 Aug 24, 2010 Jul 26, 2010 Aug 24, 2010 Aug 24, 2010 Aug 25, 2010 Aug 25, 2010 Aug 24, 2010 Aug 25, 2010 Aug 27, 2010 Aug 28, 2010 Aug 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 200000 May 29, 2011 Aug 2011 Aug 200000 May 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2000000 Aug 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2000000 Aug 29, 2011 Aug 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011	Mar 25, 2009	Apr 24, 2009	1.000000
Jun 25, 2009 Jul 27, 2009 Aug 24, 2009 Aug 25, 2009 Sep 24, 2009 Cot 23, 2009 Nov 24, 2009 Jun 25, 2009 Nov 24, 2009 Nov 25, 2009 Dec 24, 2009 Jun 25, 2010 Mar 24, 2010 Mar 25, 2010 Mar 25, 2010 Mar 24, 2010 Jun 25, 2010 Mar 25, 2010 Mar 26, 2010 Jun 27, 2010 Aug 24, 2010 Aug 25, 2010 Aug 25, 2010 Jun 26, 2010 Aug 27, 2010 Aug 28, 2010 Aug 29, 2010 Jun 200000 Aug 2000000 Aug 2000000000000000000000000000000000000	Apr 27, 2009	May 22, 2009	1.000000
Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 26, 2010 Aug 24, 2010 1.000000 Sep 27, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	May 26, 2009	Jun 24, 2009	1.000000
Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Jun 25, 2009	Jul 24, 2009	1.000000
Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Jul 27, 2009	Aug 24, 2009	1.000000
Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 26, 2010 May 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Sep 24, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Aug 25, 2009	Sep 24, 2009	1.000000
Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 26, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Sep 25, 2009	Oct 23, 2009	1.000000
Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Oct 26, 2009	Nov 24, 2009	1.000000
Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Nov 25, 2009	Dec 24, 2009	1.000000
Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Dec 28, 2009	Jan 22, 2010	1.000000
Mar 25, 2010	Jan 25, 2010	Feb 24, 2010	1.000000
Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Feb 25, 2010	Mar 24, 2010	1.000000
May 25, 2010 Jun 24, 2010 Jun 25, 2010 Jul 23, 2010 Jul 26, 2010 Aug 24, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 Jun 24, 2011 Jun 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 Apr 25, 2011 Apr 22, 2011 Jun 200000 May 25, 2011 May 24, 2011 Jun 200000 May 25, 2011 May 24, 2011 Jun 200000 May 25, 2011 Jun 24, 2011 Jun 200000 May 25, 2011 Jun 24, 2011 Jun 200000 Jun 27, 2011 Jun 24, 2011 Jun 200000	Mar 25, 2010	Apr 23, 2010	1.000000
Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Apr 26, 2010	May 24, 2010	1.000000
Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	May 25, 2010	Jun 24, 2010	1.000000
Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Jun 25, 2010	Jul 23, 2010	1.000000
Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Jul 26, 2010	Aug 24, 2010	1.000000
Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Aug 25, 2010	Sep 24, 2010	1.000000
Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Sep 27, 2010	Oct 22, 2010	1.000000
Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Oct 25, 2010	Nov 24, 2010	1.000000
Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Nov 26, 2010	Dec 23, 2010	1.000000
Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Dec 27, 2010	Jan 24, 2011	1.000000
Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Jan 25, 2011	Feb 24, 2011	1.000000
Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Feb 25, 2011	Mar 24, 2011	1.000000
May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Mar 25, 2011	Apr 22, 2011	1.000000
Jun 27, 2011 Jul 22, 2011 1.000000	Apr 25, 2011	May 24, 2011	1.000000
1.00000	May 25, 2011	Jun 24, 2011	1.000000
	Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011 Aug 24, 2011 1.000000	Jul 25, 2011	Aug 24, 2011	1.000000

A4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

A5 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
	-	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

A5 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	
Aug 25, 2009	Sep 24, 2009	1.000000 1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	
Aug 25, 2009	Sep 24, 2009	1.000000 1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M2 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
	-	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M4 Certificate Writedown Free Factor Chart

Jun 25, 2007 Jul 25, 2007 Jul 25, 2007 Jul 25, 2007 Aug 24, 2007 Jul 25, 2007 Aug 27, 2007 Sep 24, 2007 Sep 25, 2007 Oct 25, 2007 Nov 23, 2007 Jul 25, 2007 Nov 23, 2007 Jul 25, 2007 Nov 24, 2007 Jul 25, 2007 Nov 25, 2007 Nov 25, 2007 Jul 25, 2008 Feb 22, 2008 Jul 25, 2008 Mar 24, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 26, 2008 Jul 27, 2008 Jul 28, 2008 Jul 28, 2008 Jul 28, 2008 Jul 29, 2008 Jul 29, 2008 Jul 20, 2009 Jul 21, 2009 Jul 22, 2009 Jul 22, 2009 Jul 23, 2009 Jul 24, 2009 Jul 27, 2009 Jul 28, 2009 Jul 28, 2009 Jul 28, 2009 Jul 29, 2009 Ju	From	То	Writedown Free Factor
Jul 25, 2007 Aug 24, 2007 1.000000 Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 27, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Nov 25, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Mar 25, 2009 Sep 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2001 Jul 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Dec 27, 2010 Jul 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2011 1.000000 Dec 27, 2010 Jul 24, 2011 1.000000 Dec 27, 2011 Jul 24, 2011 1.000000 Dec 27, 2011 Jul 24, 2011 1.000000 Jul 27, 2011 Jul 22, 2011 1.000000		Jun 22, 2007	1.000000
Jul 25, 2007 Aug 24, 2007 1.000000 Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 May 23, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2009 1.000000 Apr 25, 2009 Feb 24, 2009 1.000000 Jul 25, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 Apr 27, 2009 Jul 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 26, 2010 Jul 28, 2010 1.000000 Apr 27, 2011 Jul	Jun 25, 2007	Jul 24, 2007	1 000000
Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Aug 22, 2008 1.000000 Jun 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Peb 25, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2011 1.000000 Aug 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000	Jul 25, 2007	Aug 24, 2007	
Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Apr 24, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 May 23, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Aug 22, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 <t< td=""><td>Aug 27, 2007</td><td>Sep 24, 2007</td><td></td></t<>	Aug 27, 2007	Sep 24, 2007	
Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Jun 25, 2008 Mar 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Aug 27, 2008 Jul 24, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Feb 25, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Sep 25, 2009 Jul 24, 2009 1.000000 Dec 28, 2009 Jul 24, 2000 1.000000 Dec 28, 2001 Jul 28, 2010 1.000000 Dec 29, 2010 Jul 28, 2010 1.00	Sep 25, 2007	Oct 24, 2007	
Nov 26, 2007 Dec 24, 2008 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Feb 25, 2008 Feb 22, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 May 23, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 May 23, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Feb 25, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 May 22, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Dec 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 24, 2011 1.000000 Aug 25, 2011 Jul 22, 2011 1.000000	Oct 25, 2007	Nov 23, 2007	
Dec 26, 2007	Nov 26, 2007	Dec 24, 2007	
Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 May 23, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2000 Jul 24, 2009 1.000000 Aug 25, 2000 Jul 24, 2000 1.000000 Aug 25, 2000 Jul	Dec 26, 2007	Jan 24, 2008	
Feb 25, 2008 Mar 24, 2008 1,000000 Mar 25, 2008 Apr 24, 2008 1,000000 Apr 25, 2008 May 23, 2008 1,000000 May 27, 2008 Jun 24, 2008 1,000000 Jun 25, 2008 Jul 24, 2008 1,000000 Jul 25, 2008 Aug 22, 2008 1,000000 Aug 25, 2008 Sep 24, 2008 1,000000 Sep 25, 2008 Oct 24, 2008 1,000000 Oct 27, 2008 Nov 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Dec 26, 2008 Jan 23, 2009 1,000000 Jan 26, 2009 Feb 24, 2009 1,000000 Feb 25, 2009 Mar 24, 2009 1,000000 Apr 27, 2009 May 22, 2009 1,000000 May 26, 2009 Jun 24, 2009 1,000000 Jun 27, 2009 Aug 24, 2009 1,000000 Jun 27, 2009 Aug 24, 2009 1,000000 Jun 27, 2009 <t< td=""><td>Jan 25, 2008</td><td></td><td></td></t<>	Jan 25, 2008		
Mar 25, 2008		Mar 24. 2008	
Apr 25, 2008	·		
May 27, 2008 Jun 24, 2008 Jun 24, 2008 Jun 25, 2008 Jul 24, 2008 Jul 25, 2008 Aug 22, 2008 Aug 25, 2008 Sep 24, 2008 L000000 Sep 25, 2008 Oct 24, 2008 L000000 Oct 27, 2008 Nov 24, 2008 Jan 23, 2009 Jan 26, 2009 Feb 25, 2009 Mar 24, 2009 Jun 25, 2009 May 26, 2009 Jun 27, 2009 Aug 25, 2009 Aug 27, 2009 Aug 28, 2009 Jun 24, 2009 Jun 26, 2009 Jun 27, 2009 Jun 28, 2009 Jun 28, 2009 Jun 28, 2009 Jun 29, 2009 Jun 200000 Aug 25, 2009 Aug 24, 2009 Jun 26, 2009 Jun 27, 2009 Aug 28, 2009 Jun 28, 2009 Jun 29, 2009 Aug 20, 2000		-	
Jun 25, 2008 Jul 24, 2008 Jul 25, 2008 Aug 25, 2008 Aug 25, 2008 Sep 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 Jul 26, 2008 Jul 27, 2008 Jul 27, 2009 Jul 28, 2009 Jul 27, 2009 Aug 25, 2009 Aug 25, 2009 Aug 25, 2009 Aug 25, 2009 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 24, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Aug 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Jul 26, 2010 Aug 27, 2010 Jul 28, 2010 Jul 29, 2010 Jul 200000 Aug 29, 2010 Jul 29, 2010 Jul 200000 Aug 29, 2010 Jul 29, 2010 Jul 200000 Aug 20, 2010 Jul 200000 Aug 20, 2010 Jul 20, 2011 J			1.000000
Jul 25, 2008			
Aug 25, 2008			1.000000
Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jun 27, 2009 Aug 24, 2009 1.000000 Jun 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Oct 26, 2009 Jul 24, 2009 1.000000 Sep 25, 2009 Sep 24, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 May 24, 2010 1.000000 Mar 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Doc 27, 2010 Jul 23, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000			1.000000
Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.00000 Mar 25, 2009 Apr 24, 2009 1.00000 May 26, 2009 Jun 24, 2009 1.00000 Jun 25, 2009 Jul 24, 2009 1.00000 Jul 27, 2009 Aug 24, 2009 1.00000 Aug 25, 2009 Sep 24, 2009 1.00000 Sep 25, 2009 Oct 23, 2009 1.00000 Nov 26, 2009 Nov 24, 2009 1.00000 Nov 27, 2009 Dec 24, 2009 1.00000 Nov 28, 2009 Jan 2000 1.00000 Nov 29, 2009 Jan 2000 1.00000 Mar 25, 2010 Mar 24, 2010 1.00000 Jan 25, 2010 Feb 24, 2010 1.00000 Mar 25, 2010 Mar 24, 2010 1.00000 Mar 26, 2010 May 24, 2010 1.00000 May 25, 2010 Jul 23, 2010			1.000000
Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Nov 25, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Sep 24, 2010 1.000000 Doct 25, 2010 Nov 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000		-	1.000000
Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Dec 27, 2010 Jun 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000			1.000000
Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Dec 27, 2010 Jun 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Pec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Nov 25, 2008	Dec 24, 2008	1.000000
Feb 25, 2009	Dec 26, 2008	Jan 23, 2009	1.000000
Mar 25, 2009	Jan 26, 2009	Feb 24, 2009	1.000000
Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Nov 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Aug 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Feb 25, 2009	Mar 24, 2009	1.000000
May 26, 2009 Jun 25, 2009 Jul 24, 2009 Jul 27, 2009 Aug 24, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 Cot 26, 2009 Nov 24, 2009 Jul 27, 2009 Nov 24, 2009 Nov 25, 2009 Dec 24, 2009 Jul 27, 2009 Dec 28, 2009 Jul 29, 2010 Mar 24, 2010 Mar 25, 2010 May 25, 2010 May 24, 2010 May 25, 2010 May 25, 2010 May 24, 2010 Jul 28, 2010 Jul 29, 2010 Aug 24, 2010 Jul 20, 2010 Aug 24, 2010 Jul 26, 2010 Aug 24, 2010 Aug 24, 2010 Aug 25, 2010 Aug 25, 2010 Aug 24, 2010 Aug 25, 2010 Aug 27, 2010 Aug 28, 2010 Aug 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 200000 May 29, 2011 Aug 2011 Aug 200000 May 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2000000 Aug 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2000000 Aug 29, 2011 Aug 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011	Mar 25, 2009	Apr 24, 2009	1.000000
Jun 25, 2009 Jul 27, 2009 Aug 24, 2009 Aug 25, 2009 Sep 24, 2009 Cot 23, 2009 Nov 24, 2009 Jun 25, 2009 Nov 24, 2009 Nov 25, 2009 Dec 24, 2009 Jun 25, 2010 Mar 24, 2010 Mar 25, 2010 Mar 25, 2010 Mar 24, 2010 Jun 25, 2010 Mar 25, 2010 Mar 26, 2010 Jun 27, 2010 Aug 24, 2010 Aug 25, 2010 Aug 25, 2010 Jun 26, 2010 Aug 27, 2010 Aug 28, 2010 Aug 29, 2010 Jun 200000 Aug 2000000 Aug 2000000000000000000000000000000000000	Apr 27, 2009	May 22, 2009	1.000000
Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 26, 2010 Aug 24, 2010 1.000000 Sep 27, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	May 26, 2009	Jun 24, 2009	1.000000
Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Jun 25, 2009	Jul 24, 2009	1.000000
Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Jul 27, 2009	Aug 24, 2009	1.000000
Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 26, 2010 May 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Sep 24, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Aug 25, 2009	Sep 24, 2009	1.000000
Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 26, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Sep 25, 2009	Oct 23, 2009	1.000000
Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Oct 26, 2009	Nov 24, 2009	1.000000
Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Nov 25, 2009	Dec 24, 2009	1.000000
Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Dec 28, 2009	Jan 22, 2010	1.000000
Mar 25, 2010	Jan 25, 2010	Feb 24, 2010	1.000000
Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Feb 25, 2010	Mar 24, 2010	1.000000
May 25, 2010 Jun 24, 2010 Jun 25, 2010 Jul 23, 2010 Jul 26, 2010 Aug 24, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 Jun 24, 2011 Jun 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 Apr 25, 2011 Apr 22, 2011 Jun 200000 May 25, 2011 May 24, 2011 Jun 200000 May 25, 2011 May 24, 2011 Jun 200000 May 25, 2011 Jun 24, 2011 Jun 200000 May 25, 2011 Jun 24, 2011 Jun 200000 Jun 27, 2011 Jun 24, 2011 Jun 200000	Mar 25, 2010	Apr 23, 2010	1.000000
Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Apr 26, 2010	May 24, 2010	1.000000
Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	May 25, 2010	Jun 24, 2010	1.000000
Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Jun 25, 2010	Jul 23, 2010	1.000000
Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Jul 26, 2010	Aug 24, 2010	1.000000
Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Aug 25, 2010	Sep 24, 2010	1.000000
Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Sep 27, 2010	Oct 22, 2010	1.000000
Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Oct 25, 2010	Nov 24, 2010	1.000000
Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Nov 26, 2010	Dec 23, 2010	1.000000
Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Dec 27, 2010	Jan 24, 2011	1.000000
Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Jan 25, 2011	Feb 24, 2011	1.000000
Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Feb 25, 2011	Mar 24, 2011	1.000000
May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Mar 25, 2011	Apr 22, 2011	1.000000
Jun 27, 2011 Jul 22, 2011 1.000000	Apr 25, 2011	May 24, 2011	1.000000
1.00000	May 25, 2011	Jun 24, 2011	1.000000
	Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011 Aug 24, 2011 1.000000	Jul 25, 2011	Aug 24, 2011	1.000000

M4 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M5 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
	-	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
	*	1.000000
Nov 26, 2010 Dec 27, 2010	Dec 23, 2010 Jan 24, 2011	1.000000
	•	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M5 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M6 Certificate Writedown Free Factor Chart

Jun 25, 2007 Jul 25, 2007 Jul 25, 2007 Jul 25, 2007 Aug 24, 2007 Jul 25, 2007 Aug 27, 2007 Sep 24, 2007 Sep 25, 2007 Oct 25, 2007 Nov 23, 2007 Jul 25, 2007 Nov 23, 2007 Jul 25, 2007 Nov 24, 2007 Jul 25, 2007 Nov 25, 2007 Nov 25, 2007 Jul 25, 2008 Feb 22, 2008 Jul 25, 2008 Mar 24, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 25, 2008 Jul 24, 2008 Jul 25, 2008 Jul 25, 2008 Jul 26, 2008 Jul 27, 2008 Jul 28, 2008 Jul 28, 2008 Jul 28, 2008 Jul 29, 2008 Jul 29, 2008 Jul 20, 2009 Jul 21, 2009 Jul 22, 2009 Jul 22, 2009 Jul 23, 2009 Jul 24, 2009 Jul 27, 2009 Jul 28, 2009 Jul 28, 2009 Jul 28, 2009 Jul 29, 2009 Ju	From	То	Writedown Free Factor
Jul 25, 2007 Aug 24, 2007 1.000000 Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 27, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Nov 25, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Mar 25, 2009 Sep 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2001 Jul 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Dec 27, 2010 Jul 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2011 1.000000 Dec 27, 2010 Jul 24, 2011 1.000000 Dec 27, 2011 Jul 24, 2011 1.000000 Dec 27, 2011 Jul 24, 2011 1.000000 Jul 27, 2011 Jul 22, 2011 1.000000		Jun 22, 2007	1.000000
Jul 25, 2007 Aug 24, 2007 1.000000 Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 May 23, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Jul 24, 2009 1.000000 Apr 25, 2009 Feb 24, 2009 1.000000 Jul 25, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 Apr 27, 2009 Jul 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 26, 2010 Jul 28, 2010 1.000000 Apr 27, 2011 Jul	Jun 25, 2007	Jul 24, 2007	1 000000
Aug 27, 2007 Sep 24, 2007 1.000000 Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Aug 22, 2008 1.000000 Jun 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Peb 25, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 27, 2009 Mar 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Apr 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Mar 24, 2011 1.000000 Aug 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000 Apr 25, 2011 Jul 24, 2011 1.000000	Jul 25, 2007	Aug 24, 2007	
Sep 25, 2007 Oct 24, 2007 1.000000 Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Apr 24, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 May 23, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jul 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Aug 22, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 <t< td=""><td>Aug 27, 2007</td><td>Sep 24, 2007</td><td></td></t<>	Aug 27, 2007	Sep 24, 2007	
Oct 25, 2007 Nov 23, 2007 1.000000 Nov 26, 2007 Dec 24, 2007 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 Mar 24, 2008 1.000000 Jun 25, 2008 Mar 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Aug 27, 2008 Jul 24, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Feb 25, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Sep 25, 2009 Jul 24, 2009 1.000000 Dec 28, 2009 Jul 24, 2000 1.000000 Dec 28, 2001 Jul 28, 2010 1.000000 Dec 29, 2010 Jul 28, 2010 1.00	Sep 25, 2007	Oct 24, 2007	
Nov 26, 2007 Dec 24, 2008 1.000000 Dec 26, 2007 Jan 24, 2008 1.000000 Feb 25, 2008 Feb 22, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Apr 25, 2008 May 23, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 May 23, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Feb 25, 2009 Feb 24, 2009 1.000000 Mar 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 May 22, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Dec 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 May 26, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 Jul 27, 2009 May 22, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Aug 25, 2010 Mar 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 24, 2011 1.000000 Aug 25, 2011 Jul 22, 2011 1.000000	Oct 25, 2007	Nov 23, 2007	
Dec 26, 2007	Nov 26, 2007	Dec 24, 2007	
Jan 25, 2008 Feb 22, 2008 1.000000 Feb 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 Mar 24, 2008 1.000000 Mar 25, 2008 May 23, 2008 1.000000 May 27, 2008 Jun 24, 2008 1.000000 Jun 25, 2008 Jul 24, 2008 1.000000 Jun 25, 2008 Aug 22, 2008 1.000000 Aug 25, 2008 Sep 24, 2008 1.000000 Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Dec 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Jul 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Aug 25, 2000 Jul 24, 2009 1.000000 Aug 25, 2000 Jul 24, 2000 1.000000 Aug 25, 2000 Jul	Dec 26, 2007	Jan 24, 2008	
Feb 25, 2008 Mar 24, 2008 1,000000 Mar 25, 2008 Apr 24, 2008 1,000000 Apr 25, 2008 May 23, 2008 1,000000 May 27, 2008 Jun 24, 2008 1,000000 Jun 25, 2008 Jul 24, 2008 1,000000 Jul 25, 2008 Aug 22, 2008 1,000000 Aug 25, 2008 Sep 24, 2008 1,000000 Sep 25, 2008 Oct 24, 2008 1,000000 Oct 27, 2008 Nov 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Nov 25, 2008 Dec 24, 2008 1,000000 Dec 26, 2008 Jan 23, 2009 1,000000 Jan 26, 2009 Feb 24, 2009 1,000000 Feb 25, 2009 Mar 24, 2009 1,000000 Apr 27, 2009 May 22, 2009 1,000000 May 26, 2009 Jun 24, 2009 1,000000 Jun 27, 2009 Aug 24, 2009 1,000000 Jun 27, 2009 Aug 24, 2009 1,000000 Jun 27, 2009 <t< td=""><td>Jan 25, 2008</td><td></td><td></td></t<>	Jan 25, 2008		
Mar 25, 2008		Mar 24. 2008	
Apr 25, 2008	·		
May 27, 2008 Jun 24, 2008 Jun 24, 2008 Jun 25, 2008 Jul 24, 2008 Jul 25, 2008 Aug 22, 2008 Aug 25, 2008 Sep 24, 2008 L000000 Sep 25, 2008 Oct 24, 2008 L000000 Oct 27, 2008 Nov 24, 2008 Jan 23, 2009 Jan 26, 2009 Feb 25, 2009 Mar 24, 2009 Jun 25, 2009 May 26, 2009 Jun 27, 2009 Aug 25, 2009 Aug 27, 2009 Aug 28, 2009 Jun 24, 2009 Jun 26, 2009 Jun 27, 2009 Jun 28, 2009 Jun 28, 2009 Jun 28, 2009 Jun 29, 2009 Jun 200000 Aug 25, 2009 Aug 24, 2009 Jun 26, 2009 Jun 27, 2009 Aug 28, 2009 Jun 28, 2009 Jun 29, 2009 Aug 20, 2000		-	
Jun 25, 2008 Jul 24, 2008 Jul 25, 2008 Aug 25, 2008 Aug 25, 2008 Sep 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 Jul 26, 2008 Jul 27, 2008 Jul 27, 2009 Jul 28, 2009 Jul 27, 2009 Aug 25, 2009 Aug 25, 2009 Aug 25, 2009 Aug 25, 2009 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Jul 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 24, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Aug 27, 2009 Aug 28, 2009 Jul 28, 2009 Jul 29, 2009 Jul 2000000 Aug 25, 2009 Aug 26, 2009 Jul 26, 2010 Aug 27, 2010 Jul 28, 2010 Jul 29, 2010 Jul 200000 Aug 29, 2010 Jul 29, 2010 Jul 200000 Aug 29, 2010 Jul 29, 2010 Jul 200000 Aug 20, 2010 Jul 200000 Aug 20, 2010 Jul 20, 2011 J			1.000000
Jul 25, 2008			
Aug 25, 2008			1.000000
Sep 25, 2008 Oct 24, 2008 1.000000 Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jun 27, 2009 Aug 24, 2009 1.000000 Jun 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Jul 24, 2009 1.000000 Oct 26, 2009 Jul 24, 2009 1.000000 Sep 25, 2009 Sep 24, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 May 24, 2010 1.000000 Mar 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Doc 27, 2010 Jul 23, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000			1.000000
Oct 27, 2008 Nov 24, 2008 1.000000 Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.00000 Mar 25, 2009 Apr 24, 2009 1.00000 May 26, 2009 Jun 24, 2009 1.00000 Jun 25, 2009 Jul 24, 2009 1.00000 Jul 27, 2009 Aug 24, 2009 1.00000 Aug 25, 2009 Sep 24, 2009 1.00000 Sep 25, 2009 Oct 23, 2009 1.00000 Nov 26, 2009 Nov 24, 2009 1.00000 Nov 27, 2009 Dec 24, 2009 1.00000 Nov 28, 2009 Jan 2000 1.00000 Nov 29, 2009 Jan 2000 1.00000 Mar 25, 2010 Mar 24, 2010 1.00000 Jan 25, 2010 Feb 24, 2010 1.00000 Mar 25, 2010 Mar 24, 2010 1.00000 Mar 26, 2010 May 24, 2010 1.00000 May 25, 2010 Jul 23, 2010			1.000000
Nov 25, 2008 Dec 24, 2008 1.000000 Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Nov 25, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Sep 24, 2010 1.000000 Doct 25, 2010 Nov 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000		-	1.000000
Dec 26, 2008 Jan 23, 2009 1.000000 Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Dec 27, 2010 Jun 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000			1.000000
Jan 26, 2009 Feb 24, 2009 1.000000 Feb 25, 2009 Mar 24, 2009 1.000000 Mar 25, 2009 Apr 24, 2009 1.000000 Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 May 24, 2010 1.000000 Jun 25, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Dec 27, 2010 Jun 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Pec 27, 2010 Jan 24, 2011 1.000000 Mar 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Nov 25, 2008	Dec 24, 2008	1.000000
Feb 25, 2009	Dec 26, 2008	Jan 23, 2009	1.000000
Mar 25, 2009	Jan 26, 2009	Feb 24, 2009	1.000000
Apr 27, 2009 May 22, 2009 1.000000 May 26, 2009 Jun 24, 2009 1.000000 Jun 25, 2009 Jul 24, 2009 1.000000 Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Nov 26, 2009 Nov 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 May 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Dec 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Aug 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Feb 25, 2009	Mar 24, 2009	1.000000
May 26, 2009 Jun 25, 2009 Jul 24, 2009 Jul 27, 2009 Aug 24, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 Cot 26, 2009 Nov 24, 2009 Jul 27, 2009 Nov 24, 2009 Nov 25, 2009 Dec 24, 2009 Jul 27, 2009 Dec 28, 2009 Jul 29, 2010 Mar 24, 2010 Mar 25, 2010 May 25, 2010 May 24, 2010 May 25, 2010 May 25, 2010 May 24, 2010 Jul 28, 2010 Jul 29, 2010 Aug 24, 2010 Jul 20, 2010 Aug 24, 2010 Jul 26, 2010 Aug 24, 2010 Aug 24, 2010 Aug 25, 2010 Aug 25, 2010 Aug 24, 2010 Aug 25, 2010 Aug 27, 2010 Aug 28, 2010 Aug 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 200000 May 29, 2011 Aug 2011 Aug 200000 May 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2000000 Aug 29, 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2000000 Aug 29, 2011 Aug 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011 Aug 2011 Aug 2010 Aug 29, 2011 Aug 2011	Mar 25, 2009	Apr 24, 2009	1.000000
Jun 25, 2009 Jul 27, 2009 Aug 24, 2009 Aug 25, 2009 Sep 24, 2009 Cot 23, 2009 Nov 24, 2009 Jun 25, 2009 Nov 24, 2009 Nov 25, 2009 Dec 24, 2009 Jun 25, 2010 Mar 24, 2010 Mar 25, 2010 Mar 25, 2010 Mar 24, 2010 Jun 25, 2010 Mar 25, 2010 Mar 26, 2010 Jun 27, 2010 Aug 24, 2010 Aug 25, 2010 Aug 25, 2010 Jun 26, 2010 Aug 27, 2010 Aug 28, 2010 Aug 29, 2010 Jun 200000 Aug 2000000 Aug 2000000000000000000000000000000000000	Apr 27, 2009	May 22, 2009	1.000000
Jul 27, 2009 Aug 24, 2009 1.000000 Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 26, 2010 Aug 24, 2010 1.000000 Sep 27, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	May 26, 2009	Jun 24, 2009	1.000000
Aug 25, 2009 Sep 24, 2009 1.000000 Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Feb 25, 2010 Feb 24, 2010 1.000000 Mar 25, 2010 Mar 24, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Jun 25, 2009	Jul 24, 2009	1.000000
Sep 25, 2009 Oct 23, 2009 1.000000 Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Jul 27, 2009	Aug 24, 2009	1.000000
Oct 26, 2009 Nov 24, 2009 1.000000 Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 26, 2010 May 24, 2010 1.000000 Jun 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Sep 24, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Aug 25, 2009	Sep 24, 2009	1.000000
Nov 25, 2009 Dec 24, 2009 1.000000 Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 May 26, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Jul 23, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Sep 25, 2009	Oct 23, 2009	1.000000
Dec 28, 2009 Jan 22, 2010 1.000000 Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Oct 26, 2009	Nov 24, 2009	1.000000
Jan 25, 2010 Feb 24, 2010 1.000000 Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Feb 25, 2011 Feb 24, 2011 1.000000 Mar 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000	Nov 25, 2009	Dec 24, 2009	1.000000
Feb 25, 2010 Mar 24, 2010 1.000000 Mar 25, 2010 Apr 23, 2010 1.000000 Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Dec 28, 2009	Jan 22, 2010	1.000000
Mar 25, 2010	Jan 25, 2010	Feb 24, 2010	1.000000
Apr 26, 2010 May 24, 2010 1.000000 May 25, 2010 Jun 24, 2010 1.000000 Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Feb 25, 2010	Mar 24, 2010	1.000000
May 25, 2010 Jun 24, 2010 Jun 25, 2010 Jul 23, 2010 Jul 26, 2010 Aug 24, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 Jun 24, 2011 Jun 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 Apr 25, 2011 Apr 22, 2011 Jun 200000 May 25, 2011 May 24, 2011 Jun 200000 May 25, 2011 May 24, 2011 Jun 200000 May 25, 2011 Jun 24, 2011 Jun 200000 May 25, 2011 Jun 24, 2011 Jun 200000 Jun 27, 2011 Jun 24, 2011 Jun 200000	Mar 25, 2010	Apr 23, 2010	1.000000
Jun 25, 2010 Jul 23, 2010 1.000000 Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Apr 26, 2010	May 24, 2010	1.000000
Jul 26, 2010 Aug 24, 2010 1.000000 Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	May 25, 2010	Jun 24, 2010	1.000000
Aug 25, 2010 Sep 24, 2010 1.000000 Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Jun 25, 2010	Jul 23, 2010	1.000000
Sep 27, 2010 Oct 22, 2010 1.000000 Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Jul 26, 2010	Aug 24, 2010	1.000000
Oct 25, 2010 Nov 24, 2010 1.000000 Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jun 24, 2011 1.000000	Aug 25, 2010	Sep 24, 2010	1.000000
Nov 26, 2010 Dec 23, 2010 1.000000 Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Sep 27, 2010	Oct 22, 2010	1.000000
Dec 27, 2010 Jan 24, 2011 1.000000 Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Oct 25, 2010	Nov 24, 2010	1.000000
Jan 25, 2011 Feb 24, 2011 1.000000 Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Nov 26, 2010	Dec 23, 2010	1.000000
Feb 25, 2011 Mar 24, 2011 1.000000 Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Dec 27, 2010	Jan 24, 2011	1.000000
Mar 25, 2011 Apr 22, 2011 1.000000 Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Jan 25, 2011	Feb 24, 2011	1.000000
Apr 25, 2011 May 24, 2011 1.000000 May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Feb 25, 2011	Mar 24, 2011	1.000000
May 25, 2011 Jun 24, 2011 1.000000 Jun 27, 2011 Jul 22, 2011 1.000000	Mar 25, 2011	Apr 22, 2011	1.000000
Jun 27, 2011 Jul 22, 2011 1.000000	Apr 25, 2011	May 24, 2011	1.000000
1.00000	May 25, 2011	Jun 24, 2011	1.000000
	Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011 Aug 24, 2011 1.000000	Jul 25, 2011	Aug 24, 2011	1.000000

M6 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M7 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
	Oct 24, 2008	1.000000
Sep 25, 2008	-	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M7 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M8 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
	-	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M8 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M9 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	
Aug 25, 2009	Sep 24, 2009	1.000000 1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M9 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	0.978116
Aug 27, 2007	Sep 24, 2007	0.970799
Sep 25, 2007	Oct 24, 2007	0.957969
Oct 25, 2007	Nov 23, 2007	0.949065
Nov 26, 2007	Dec 24, 2007	0.891646
Dec 26, 2007	Jan 24, 2008	0.881076
Jan 25, 2008	Feb 22, 2008	0.867718
Feb 25, 2008	Mar 24, 2008	0.853481
Mar 25, 2008	Apr 24, 2008	0.838813
Apr 25, 2008	May 23, 2008	0.821951
May 27, 2008	Jun 24, 2008	0.804565
Jun 25, 2008	Jul 24, 2008	0.788306
Jul 25, 2008	Aug 22, 2008	0.777111
Aug 25, 2008	Sep 24, 2008	0.770964
Sep 25, 2008	Oct 24, 2008	0.758468
Oct 27, 2008	Nov 24, 2008	0.751982
Nov 25, 2008	Dec 24, 2008	0.740655
Dec 26, 2008	Jan 23, 2009	0.735884
Jan 26, 2009	Feb 24, 2009	0.726848
Feb 25, 2009	Mar 24, 2009	0.719130
Mar 25, 2009	Apr 24, 2009	0.710440
Apr 27, 2009	May 22, 2009	0.702834
May 26, 2009	Jun 24, 2009	0.693624
Jun 25, 2009	Jul 24, 2009	0.685508
Jul 27, 2009	Aug 24, 2009	0.673562
Aug 25, 2009	Sep 24, 2009	0.659950
Sep 25, 2009	Oct 23, 2009	0.646570
Oct 26, 2009	Nov 24, 2009	0.637271
Nov 25, 2009	Dec 24, 2009	0.624208
Dec 28, 2009	Jan 22, 2010	0.618073
Jan 25, 2010	Feb 24, 2010	0.610837
Feb 25, 2010	Mar 24, 2010	0.602052
Mar 25, 2010	Apr 23, 2010	0.595288
Apr 26, 2010	May 24, 2010	0.595288
May 25, 2010	Jun 24, 2010	0.592797
Jun 25, 2010	Jul 23, 2010	0.583433
Jul 26, 2010	Aug 24, 2010	0.575852
Aug 25, 2010	Sep 24, 2010	0.567533
Sep 27, 2010	Oct 22, 2010	0.561684
Oct 25, 2010	Nov 24, 2010	0.555012
Nov 26, 2010	Dec 23, 2010	0.547967
Dec 27, 2010	Jan 24, 2011	0.543276
Jan 25, 2011	Feb 24, 2011	0.539815
Feb 25, 2011	Mar 24, 2011	0.536780
Mar 25, 2011	Apr 22, 2011	0.531351
Apr 25, 2011	May 24, 2011	0.524919
May 25, 2011 Jun 27, 2011	Jun 24, 2011 Jul 22, 2011	0.520143
Jul 27, 2011 Jul 25, 2011	•	0.517893
Jul 25, 2011	Aug 24, 2011	0.509092

A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	0.503243
Sep 26, 2011	Oct 24, 2011	0.500017
Oct 25, 2011	Nov 23, 2011	0.494974
Nov 25, 2011	Dec 23, 2011	0.492997
Dec 27, 2011	Jan 24, 2012	0.491088
Jan 25, 2012	Feb 24, 2012	0.486300
Feb 27, 2012	Mar 23, 2012	0.484253
Mar 26, 2012	Apr 24, 2012	0.479902
Apr 25, 2012	May 24, 2012	0.476490
May 25, 2012	Jun 22, 2012	0.472116
Jun 25, 2012	Jul 24, 2012	0.468472
Jul 25, 2012	Aug 24, 2012	0.465611
Aug 27, 2012	Sep 24, 2012	0.462863
Sep 25, 2012	Oct 24, 2012	0.457833
Oct 25, 2012	Nov 23, 2012	0.454042
Nov 26, 2012	Dec 24, 2012	0.452773
Dec 26, 2012	Jan 24, 2013	0.451283
Jan 25, 2013	Feb 22, 2013	0.445782
Feb 25, 2013	Mar 22, 2013	0.441440
Mar 25, 2013	Apr 24, 2013	0.439424
Apr 25, 2013	May 24, 2013	0.437644
May 28, 2013	Jun 24, 2013	0.433601
Jun 25, 2013	Jul 24, 2013	0.429836
Jul 25, 2013	Aug 23, 2013	0.426020
Aug 26, 2013	Sep 24, 2013	0.423155
Sep 25, 2013	Oct 24, 2013	0.421095
Oct 25, 2013	Nov 22, 2013	0.419627
Nov 25, 2013	Dec 24, 2013	0.414328
Dec 26, 2013	Jan 24, 2014	0.409562
Jan 27, 2014	Feb 24, 2014	0.407491
Feb 25, 2014	Mar 24, 2014	0.404989
Mar 25, 2014	Apr 24, 2014	0.403042
Apr 25, 2014	May 23, 2014	0.398379
May 27, 2014	Jun 24, 2014	0.395083
Jun 25, 2014	Jul 24, 2014	0.391331
Jul 25, 2014	Aug 22, 2014	0.389482
Aug 25, 2014	Sep 24, 2014	0.386176
Sep 25, 2014	Oct 24, 2014	0.384243
Oct 27, 2014	Nov 24, 2014	0.381288
Nov 25, 2014	Dec 24, 2014	0.379451
Dec 26, 2014	Jan 23, 2015	0.375272
Jan 26, 2015	Feb 24, 2015	0.372302
Feb 25, 2015	Mar 24, 2015	0.367979
Mar 25, 2015	Apr 24, 2015	0.364699
Apr 27, 2015	May 22, 2015	0.360228
May 26, 2015	Jun 24, 2015	0.358111
Jun 25, 2015		0.355768

A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	0.974317
Aug 27, 2007	Sep 24, 2007	0.946438
Sep 25, 2007	Oct 24, 2007	0.933618
Oct 25, 2007	Nov 23, 2007	0.923061
Nov 26, 2007	Dec 24, 2007	0.803047
Dec 26, 2007	Jan 24, 2008	0.791298
Jan 25, 2008	Feb 22, 2008	0.771232
Feb 25, 2008	Mar 24, 2008	0.758257
Mar 25, 2008	Apr 24, 2008	0.735617
Apr 25, 2008	May 23, 2008	0.717565
May 27, 2008	Jun 24, 2008	0.695779
Jun 25, 2008	Jul 24, 2008	0.675790
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	0.655704
Sep 25, 2008	Oct 24, 2008	0.634089
Oct 27, 2008	Nov 24, 2008	0.616593
Nov 25, 2008	Dec 24, 2008	0.601541
Dec 26, 2008	Jan 23, 2009	0.577119
Jan 26, 2009	Feb 24, 2009	0.561266
Feb 25, 2009	Mar 24, 2009	0.545686
Mar 25, 2009	Apr 24, 2009	0.530728
		0.508390
Apr 27, 2009	May 22, 2009	0.481185
May 26, 2009	Jun 24, 2009	0.463335
Jun 25, 2009	Jul 24, 2009	0.445537
Jul 27, 2009	Aug 24, 2009	0.429396
Aug 25, 2009	Sep 24, 2009	0.416487
Sep 25, 2009	Oct 23, 2009	0.404482
Oct 26, 2009	Nov 24, 2009	0.389127
Nov 25, 2009	Dec 24, 2009	0.375424
Dec 28, 2009	Jan 22, 2010	0.361703
Jan 25, 2010	Feb 24, 2010	0.343614
Feb 25, 2010	Mar 24, 2010	0.336376
Mar 25, 2010	Apr 23, 2010	0.324075
Apr 26, 2010	May 24, 2010	0.308263
May 25, 2010	Jun 24, 2010	0.294599
Jun 25, 2010	Jul 23, 2010	0.286659
Jul 26, 2010	Aug 24, 2010	0.274919
Aug 25, 2010	Sep 24, 2010	0.268470
Sep 27, 2010	Oct 22, 2010	0.261080
Oct 25, 2010	Nov 24, 2010	0.249964
Nov 26, 2010	Dec 23, 2010	0.237992
Dec 27, 2010	Jan 24, 2011	0.227072
Jan 25, 2011	Feb 24, 2011	0.217063
Feb 25, 2011	Mar 24, 2011	0.206622
Mar 25, 2011	Apr 22, 2011	0.198448
Apr 25, 2011	May 24, 2011	0.190829
May 25, 2011	Jun 24, 2011	0.183023
Jun 27, 2011	Jul 22, 2011	0.171537
Jul 25, 2011	Aug 24, 2011	0.163755

A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	0.154012
Sep 26, 2011	Oct 24, 2011	0.144294
Oct 25, 2011	Nov 23, 2011	0.134088
Nov 25, 2011	Dec 23, 2011	0.124861
Dec 27, 2011	Jan 24, 2012	0.119608
Jan 25, 2012	Feb 24, 2012	0.110724
Feb 27, 2012	Mar 23, 2012	0.103928
Mar 26, 2012	Apr 24, 2012	0.099526
Apr 25, 2012	May 24, 2012	0.092547
May 25, 2012	Jun 22, 2012	0.081824
Jun 25, 2012	Jul 24, 2012	0.068078
Jul 25, 2012	Aug 24, 2012	0.058356
Aug 27, 2012	Sep 24, 2012	0.051767
Sep 25, 2012	Oct 24, 2012	0.042539
Oct 25, 2012	Nov 23, 2012	0.035225
Nov 26, 2012	Dec 24, 2012	0.029764
Dec 26, 2012	Jan 24, 2013	0.020815
Jan 25, 2013	Feb 22, 2013	0.015895
Feb 25, 2013	Mar 22, 2013	0.011024
Mar 25, 2013	Apr 24, 2013	0.004209
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

A3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
		1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

A3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	0.977832
May 28, 2013	Jun 24, 2013	0.958872
Jun 25, 2013	Jul 24, 2013	0.933876
Jul 25, 2013	Aug 23, 2013	0.908538
Aug 26, 2013	Sep 24, 2013	0.877433
Sep 25, 2013	Oct 24, 2013	0.845782
Oct 25, 2013	Nov 22, 2013	0.824536
Nov 25, 2013	Dec 24, 2013	0.790299
Dec 26, 2013	Jan 24, 2014	0.773403
Jan 27, 2014	Feb 24, 2014	0.738987
Feb 25, 2014	Mar 24, 2014	0.721238
Mar 25, 2014	Apr 24, 2014	0.709468
Apr 25, 2014	May 23, 2014	0.686718
May 27, 2014	Jun 24, 2014	0.659164
Jun 25, 2014	Jul 24, 2014	0.638376
Jul 25, 2014	Aug 22, 2014	0.601709
Aug 25, 2014	Sep 24, 2014	0.569226
Sep 25, 2014	Oct 24, 2014	0.549917
Oct 27, 2014	Nov 24, 2014	0.521727
Nov 25, 2014	Dec 24, 2014	0.501516
Dec 26, 2014	Jan 23, 2015	0.485884
Jan 26, 2015	Feb 24, 2015	0.463875
Feb 25, 2015	Mar 24, 2015	0.449089
Mar 25, 2015	Apr 24, 2015	0.424982
Apr 27, 2015	May 22, 2015	0.407011
May 26, 2015	Jun 24, 2015	0.372526
Jun 25, 2015		0.349996

A4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

A4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

A5 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
		1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

A5 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000
· 		

M1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
	-	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M1 Certificate Writedown Free Factor Chart

Aug 25, 2011 Sep 23, 2011 1.000000 Sep 26, 2011 Oct 24, 2011 1.000000 Oct 25, 2011 Nov 23, 2011 1.000000 Nov 25, 2011 Dec 23, 2011 1.000000 Dec 27, 2011 Jan 24, 2012 1.000000 Jan 25, 2012 Feb 24, 2012 1.000000 Feb 27, 2012 Mar 23, 2012 1.000000 Apr 26, 2012 Apr 24, 2012 1.000000 Apr 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jun 22, 2012 1.000000 Jul 25, 2012 Jun 22, 2012 1.000000 Aug 77, 2012 Sep 24, 2012 1.000000 Aug 77, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 Jul 24, 2013 1.000000 Apr 25, 2013 Jul 24, 2013 1.000000 Apr 25, 2013 Apr 24, 2013 1.000000 Apr 25, 2013 Jul 24, 2013 1.000000 Apr 25, 2013 Jul 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 May 27, 2014 1.000000 Apr 25, 2014 Apr 24, 2015 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 27, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2015 1.000000 Apr 27, 2014 Feb 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.00	From	То	Writedown Free Factor
Oct 25, 2011 Nov 23, 2011 1.000000 Nov 25, 2011 Dec 23, 2011 1.000000 Dec 27, 2011 Jan 24, 2012 1.000000 Feb 27, 2012 Feb 24, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 Apr 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Jul 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 Jun 24, 2013 1.000000 Apr 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Jan 24, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Aug 25, 2014 May 27, 2014 1.000000 Aug 25, 2014 May 23, 2014 1.000000 Aug 25, 2014 May 27, 2014 1.000000 Aug 25, 2014 Jun 24, 2015 1.000000 Apr 26, 2015 Mar 24, 2015 1.0000000 Apr 27, 2015 May 22, 2015 1.0000000 Apr 26, 2015 Jun 24, 2015 1.			
Nov 25, 2011 Dec 23, 2011 1.000000 Dec 27, 2011 Jan 24, 2012 1.000000 Feb 27, 2012 Feb 24, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 May 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jun 27, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Aug 25, 2014 Jun 24, 2015 1.000000 Apr 26, 2015 Mar 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.00	Sep 26, 2011	Oct 24, 2011	1.000000
Dec 27, 2011 Jan 24, 2012 1.000000 Jan 25, 2012 Feb 24, 2012 1.000000 Feb 27, 2012 Mar 23, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 Apr 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jun 22, 2012 1.000000 Jul 25, 2012 Jul 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Mar 26, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Jun 24, 2014 1.000000 Aug 25, 2014 Jun 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2015 1.000000 Apr 25, 2015 Mar 24, 2015 1.000000 Apr 25, 2015 Mar 24, 2015 1.000000 Apr 25, 2015 Mar 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000	Oct 25, 2011	Nov 23, 2011	1.000000
Jan 25, 2012 Feb 24, 2012 1.000000 Feb 27, 2012 Mar 23, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Jan 25, 2013 Mar 22, 2013 1.000000 Jan 25, 2013 Jun 24, 2013 1.000000 Jan 25, 2013 Mar 22, 2013 1.000000 Jan 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Jan 25, 2013 Mar 24, 2013 1.000000 Jan 25, 2013 Mar 24, 2013 1.000000 Mar 25, 2013 Mar 24, 2013 1.000000 Jun 25, 2013 Mar 24, 2013 1.000000 Apr 25, 2013 Mar 24, 2013 1.000000 Apr 25, 2013 Mar 24, 2013 1.000000 Mar 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Mar 26, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Oct 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Aug 25, 2014 Mar 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 26, 2015 Feb 24, 2015 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000	Nov 25, 2011	Dec 23, 2011	1.000000
Feb 27, 2012 Mar 23, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 Apr 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Apr 25, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Aug 25, 2014 May 23, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Apr 25, 2014 Jun 24, 2014 1.000000 Apr 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Apr 25, 2014 Sep 24, 2015 1.000000 Apr 25, 2015 Mar 24, 2015 1.000000 Apr 25, 2015 May 22, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000	Dec 27, 2011	Jan 24, 2012	1.000000
Mar 26, 2012	Jan 25, 2012	Feb 24, 2012	1.000000
Apr 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 May 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Oct 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jun 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 26, 2015 May 24, 2015 1.000000 Aug 26, 2015 May 22, 2015 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000	Feb 27, 2012	Mar 23, 2012	1.000000
May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Oct 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 May 27, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 May 23, 2014 1.000000 Jun 25, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Mar 26, 2012	Apr 24, 2012	1.000000
Jun 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 Jul 24, 2013 1.000000 Jul 25, 2013 Jul 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 Aug 23, 2013 1.000000 Jul 25, 2013 Aug 23, 2013 1.000000 Jul 25, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Oct 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 May 27, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jun 24, 2014 1.000000 Jul 25, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Jul 25, 2014 Sep 24, 2014 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Apr 25, 2012	May 24, 2012	1.000000
Jul 25, 2012	May 25, 2012	Jun 22, 2012	1.000000
Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 Jun 25, 2013 May 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Aug 22, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Dec 26, 2014 Jun 24, 2014 1.000000 Nov 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jun 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Nov 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Dec 26, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jun 25, 2012	Jul 24, 2012	1.000000
Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 May 23, 2014 1.000000 Apr 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Apr 25, 2014 Jul 24, 2014 1.000000 Apr 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Apr 27, 2014 Feb 24, 2014 1.000000 Apr 27, 2014 Feb 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 Apr 27, 2015 May 26, 2015 1.000000	Jul 25, 2012	Aug 24, 2012	1.000000
Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Apr 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jul 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 Apr 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Peb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Aug 27, 2012	Sep 24, 2012	1.000000
Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Apr 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jun 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Apr 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Nov 25, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 May 22, 2015 1.000000 Mar 25, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Sep 25, 2012	Oct 24, 2012	1.000000
Dec 26, 2012 Jan 24, 2013 Jan 25, 2013 Feb 22, 2013 Jan 25, 2013 Mar 22, 2013 Apr 24, 2013 Jan 25, 2013 Apr 24, 2013 Apr 25, 2013 Apr 24, 2013 Jan 26, 2013 Jan 27, 2014 Jan 27, 2014 Apr 28, 2014 Apr 24, 2014 Jan 28, 2014 Jan 29, 2014 Jan 29, 2014 Apr 29, 2014 Apr 29, 2014 Apr 29, 2014 Apr 29, 2014 Jan 29, 2015 Jan 29, 2014 Jan 200000 Jan 20, 2015 Jan 29, 2015 Jan 200000 Jan 20, 2015 Jan 2015	Oct 25, 2012	Nov 23, 2012	1.000000
Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Apr 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Nov 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 May 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Dec 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Nov 26, 2012	Dec 24, 2012	1.000000
Feb 25, 2013	Dec 26, 2012	Jan 24, 2013	1.000000
Mar 25, 2013	Jan 25, 2013	Feb 22, 2013	1.000000
Apr 25, 2013	Feb 25, 2013	Mar 22, 2013	1.000000
May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Oct 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 May 26, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Mar 25, 2013	Apr 24, 2013	1.000000
Jun 25, 2013 Jul 24, 2013 1.000000 Jul 25, 2013 Aug 23, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 Jan 24, 2014 I.000000 Feb 25, 2014 May 23, 2014 Jun 24, 2014 Jun 25, 2014 Jun 25, 2014 Jun 24, 2014 Jun 26, 2014 Jun 26, 2014 Sep 27, 2014 Sep 28, 2014 Aug 29, 2014 Jun 200000 May 27, 2014 Jun 28, 2014 Jun 29, 2014 Jun 200000 Sep 25, 2014 Aug 29, 2014 Jun 200000 Aug 25, 2014 Aug 29, 2014 Jun 200000 Sep 25, 2014 Aug 29, 2015 Jun 200000 Aug 26, 2015 Jun 24, 2015 Jun 200000 Aug 26, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 27, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 24, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 26, 2015 Jun 27, 2015 Jun 28, 2015 Jun 29, 2015 Jun 2000000	Apr 25, 2013	May 24, 2013	1.000000
Jul 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Oct 27, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Feb 25, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	May 28, 2013	Jun 24, 2013	1.000000
Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Sep 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Nov 25, 2014 Oct 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Feb 25, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jun 25, 2013	Jul 24, 2013	1.000000
Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Oct 27, 2014 Sep 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Oct 27, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jul 25, 2013	Aug 23, 2013	1.000000
Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Oct 27, 2014 Dec 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Aug 26, 2013	Sep 24, 2013	1.000000
Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 Aug 22, 2014 1.000000 Sep 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 Jan 23, 2015 Jan 26, 2015 Feb 24, 2015 Jun 200000 Mar 25, 2015 Mar 24, 2015 Jun 26, 2015 Jun 26, 2015 Jun 27, 2015 May 26, 2015 Jun 24, 2015 Jun 200000 May 26, 2015 Jun 24, 2015 Jun 200000 May 26, 2015 Jun 24, 2015 Jun 200000 Jun 26, 2015 Jun 27, 2015 Jun 24, 2015 Jun 200000 Jun 26, 2015 Jun 27, 2016 Jun 27, 2017 Jun 27, 2017 Jun 27, 2017	Sep 25, 2013	Oct 24, 2013	1.000000
Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 Jun 25, 2014 Aug 22, 2014 Aug 22, 2014 Aug 25, 2014 Aug 25, 2014 Aug 25, 2014 Aug 27, 2014 Aug 27, 2014 Aug 28, 2014 Aug 28, 2014 Aug 29, 2014 Aug 29, 2014 Aug 20, 2015 Aug 20, 2015 Apr 24, 2015 Apr 27, 2015 Apr 27, 2015 Apr 27, 2015 Aug 22, 2015 Aug 2016	Oct 25, 2013	Nov 22, 2013	1.000000
Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Nov 25, 2013	Dec 24, 2013	1.000000
Feb 25, 2014	Dec 26, 2013	Jan 24, 2014	1.000000
Mar 25, 2014	Jan 27, 2014	Feb 24, 2014	1.000000
Apr 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Feb 25, 2014	Mar 24, 2014	1.000000
May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Mar 25, 2014	Apr 24, 2014	1.000000
Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Apr 25, 2014	May 23, 2014	1.000000
Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	May 27, 2014	Jun 24, 2014	1.000000
Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jun 25, 2014	Jul 24, 2014	1.000000
Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jul 25, 2014	Aug 22, 2014	1.000000
Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Aug 25, 2014	Sep 24, 2014	1.000000
Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Sep 25, 2014	Oct 24, 2014	1.000000
Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Oct 27, 2014	Nov 24, 2014	1.000000
Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Nov 25, 2014	Dec 24, 2014	1.000000
Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Dec 26, 2014	Jan 23, 2015	1.000000
Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jan 26, 2015	Feb 24, 2015	1.000000
Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Feb 25, 2015	Mar 24, 2015	1.000000
May 26, 2015 Jun 24, 2015 1.000000	Mar 25, 2015	Apr 24, 2015	1.000000
Lun 25, 2015	Apr 27, 2015	May 22, 2015	1.000000
Jun 25, 2015 1.000000	May 26, 2015	Jun 24, 2015	1.000000
	Jun 25, 2015		1.000000

M2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
		1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	_
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
		1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011 Apr 25, 2011	Apr 22, 2011 May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	·	1.000000
Jul 23, 2011	Aug 24, 2011	1.000000

M3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
	*	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M4 Certificate Writedown Free Factor Chart

Aug 25, 2011 Sep 23, 2011 1.000000 Sep 26, 2011 Oct 24, 2011 1.000000 Oct 25, 2011 Nov 23, 2011 1.000000 Nov 25, 2011 Dec 23, 2011 1.000000 Dec 27, 2011 Jan 24, 2012 1.000000 Jan 25, 2012 Feb 24, 2012 1.000000 Feb 27, 2012 Mar 23, 2012 1.000000 Apr 26, 2012 Apr 24, 2012 1.000000 Apr 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jun 22, 2012 1.000000 Jul 25, 2012 Jun 22, 2012 1.000000 Aug 77, 2012 Sep 24, 2012 1.000000 Aug 77, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 Jul 24, 2013 1.000000 Apr 25, 2013 Jul 24, 2013 1.000000 Apr 25, 2013 Apr 24, 2013 1.000000 Apr 25, 2013 Jul 24, 2013 1.000000 Apr 25, 2013 Jul 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 May 27, 2014 1.000000 Apr 25, 2014 Apr 24, 2015 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 27, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2015 1.000000 Apr 27, 2014 Feb 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.00	From	То	Writedown Free Factor
Oct 25, 2011 Nov 23, 2011 1.000000 Nov 25, 2011 Dec 23, 2011 1.000000 Dec 27, 2011 Jan 24, 2012 1.000000 Feb 27, 2012 Feb 24, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 Apr 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Jul 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 Jun 24, 2013 1.000000 Apr 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Jan 24, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Aug 25, 2014 May 27, 2014 1.000000 Aug 25, 2014 May 23, 2014 1.000000 Aug 25, 2014 May 27, 2014 1.000000 Aug 25, 2014 Jun 24, 2015 1.000000 Apr 26, 2015 Mar 24, 2015 1.0000000 Apr 27, 2015 May 22, 2015 1.0000000 Apr 26, 2015 Jun 24, 2015 1.			
Nov 25, 2011 Dec 23, 2011 1.000000 Dec 27, 2011 Jan 24, 2012 1.000000 Feb 27, 2012 Feb 24, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 May 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jun 27, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Aug 25, 2014 Jun 24, 2015 1.000000 Apr 26, 2015 Mar 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.00	Sep 26, 2011	Oct 24, 2011	1.000000
Dec 27, 2011 Jan 24, 2012 1.000000 Jan 25, 2012 Feb 24, 2012 1.000000 Feb 27, 2012 Mar 23, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 Apr 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jun 22, 2012 1.000000 Jul 25, 2012 Jul 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Mar 26, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Jun 24, 2014 1.000000 Aug 25, 2014 Jun 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2015 1.000000 Apr 25, 2015 Mar 24, 2015 1.000000 Apr 25, 2015 Mar 24, 2015 1.000000 Apr 25, 2015 Mar 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000	Oct 25, 2011	Nov 23, 2011	1.000000
Jan 25, 2012 Feb 24, 2012 1.000000 Feb 27, 2012 Mar 23, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Jan 25, 2013 Mar 22, 2013 1.000000 Jan 25, 2013 Jun 24, 2013 1.000000 Jan 25, 2013 Mar 22, 2013 1.000000 Jan 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Jan 25, 2013 Mar 24, 2013 1.000000 Jan 25, 2013 Mar 24, 2013 1.000000 Mar 25, 2013 Mar 24, 2013 1.000000 Jun 25, 2013 Mar 24, 2013 1.000000 Apr 25, 2013 Mar 24, 2013 1.000000 Apr 25, 2013 Mar 24, 2013 1.000000 Mar 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Mar 26, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Oct 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Aug 25, 2014 Mar 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 26, 2015 Feb 24, 2015 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000	Nov 25, 2011	Dec 23, 2011	1.000000
Feb 27, 2012 Mar 23, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 Apr 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Apr 25, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Aug 25, 2014 May 23, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Apr 25, 2014 Jun 24, 2014 1.000000 Apr 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Apr 25, 2014 Sep 24, 2015 1.000000 Apr 25, 2015 Mar 24, 2015 1.000000 Apr 25, 2015 May 22, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000	Dec 27, 2011	Jan 24, 2012	1.000000
Mar 26, 2012	Jan 25, 2012	Feb 24, 2012	1.000000
Apr 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 May 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Oct 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jun 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 26, 2015 May 24, 2015 1.000000 Aug 26, 2015 May 22, 2015 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000	Feb 27, 2012	Mar 23, 2012	1.000000
May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Oct 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 May 27, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 May 23, 2014 1.000000 Jun 25, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Mar 26, 2012	Apr 24, 2012	1.000000
Jun 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 Jul 24, 2013 1.000000 Jul 25, 2013 Jul 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 Aug 23, 2013 1.000000 Jul 25, 2013 Aug 23, 2013 1.000000 Jul 25, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Oct 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 May 27, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jun 24, 2014 1.000000 Jul 25, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Jul 25, 2014 Sep 24, 2014 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Apr 25, 2012	May 24, 2012	1.000000
Jul 25, 2012	May 25, 2012	Jun 22, 2012	1.000000
Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 Jun 25, 2013 May 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Aug 22, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Dec 26, 2014 Jun 24, 2014 1.000000 Nov 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jun 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Nov 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Dec 26, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jun 25, 2012	Jul 24, 2012	1.000000
Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 May 23, 2014 1.000000 Apr 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Apr 25, 2014 Jul 24, 2014 1.000000 Apr 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Apr 27, 2014 Feb 24, 2014 1.000000 Apr 27, 2014 Feb 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 Apr 27, 2015 May 26, 2015 1.000000	Jul 25, 2012	Aug 24, 2012	1.000000
Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Apr 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jul 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 Apr 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Peb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Aug 27, 2012	Sep 24, 2012	1.000000
Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Apr 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jun 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Apr 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Nov 25, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 May 22, 2015 1.000000 Mar 25, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Sep 25, 2012	Oct 24, 2012	1.000000
Dec 26, 2012 Jan 24, 2013 Jan 25, 2013 Feb 22, 2013 Jan 25, 2013 Mar 22, 2013 Apr 24, 2013 Jan 25, 2013 Apr 24, 2013 Apr 25, 2013 Apr 24, 2013 Jan 26, 2013 Jan 27, 2014 Jan 27, 2014 Apr 28, 2014 Apr 24, 2014 Jan 28, 2014 Jan 29, 2014 Jan 29, 2014 Apr 29, 2014 Apr 29, 2014 Apr 29, 2014 Apr 29, 2014 Jan 29, 2015 Jan 29, 2014 Jan 200000 Jan 20, 2015 Jan 29, 2015 Jan 200000 Jan 20, 2015 Jan 2015	Oct 25, 2012	Nov 23, 2012	1.000000
Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Apr 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Nov 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 May 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Dec 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Nov 26, 2012	Dec 24, 2012	1.000000
Feb 25, 2013	Dec 26, 2012	Jan 24, 2013	1.000000
Mar 25, 2013	Jan 25, 2013	Feb 22, 2013	1.000000
Apr 25, 2013	Feb 25, 2013	Mar 22, 2013	1.000000
May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Oct 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 May 26, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Mar 25, 2013	Apr 24, 2013	1.000000
Jun 25, 2013 Jul 24, 2013 1.000000 Jul 25, 2013 Aug 23, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 Jan 24, 2014 I.000000 Feb 25, 2014 May 23, 2014 Jun 24, 2014 Jun 25, 2014 Jun 25, 2014 Jun 24, 2014 Jun 26, 2014 Jun 26, 2014 Sep 27, 2014 Sep 28, 2014 Aug 29, 2014 Jun 200000 May 27, 2014 Jun 28, 2014 Jun 29, 2014 Jun 200000 Sep 25, 2014 Aug 29, 2014 Jun 200000 Aug 25, 2014 Aug 29, 2014 Jun 200000 Sep 25, 2014 Aug 29, 2015 Jun 200000 Aug 26, 2015 Jun 24, 2015 Jun 200000 Aug 26, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 27, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 24, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 26, 2015 Jun 27, 2015 Jun 28, 2015 Jun 29, 2015 Jun 2000000	Apr 25, 2013	May 24, 2013	1.000000
Jul 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Oct 27, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Feb 25, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	May 28, 2013	Jun 24, 2013	1.000000
Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Sep 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Nov 25, 2014 Oct 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Feb 25, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jun 25, 2013	Jul 24, 2013	1.000000
Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Oct 27, 2014 Sep 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Oct 27, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jul 25, 2013	Aug 23, 2013	1.000000
Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Oct 27, 2014 Dec 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Aug 26, 2013	Sep 24, 2013	1.000000
Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 Aug 22, 2014 1.000000 Sep 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 Jan 23, 2015 Jan 26, 2015 Feb 24, 2015 Jun 200000 Mar 25, 2015 Mar 24, 2015 Jun 26, 2015 Jun 26, 2015 Jun 27, 2015 May 26, 2015 Jun 24, 2015 Jun 200000 May 26, 2015 Jun 24, 2015 Jun 200000 May 26, 2015 Jun 24, 2015 Jun 200000 Jun 26, 2015 Jun 27, 2015 Jun 24, 2015 Jun 200000 Jun 26, 2015 Jun 27, 2016 Jun 27, 2017 Jun 27, 2017 Jun 27, 2017	Sep 25, 2013	Oct 24, 2013	1.000000
Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 Jun 25, 2014 Aug 22, 2014 Aug 22, 2014 Aug 25, 2014 Aug 25, 2014 Aug 25, 2014 Aug 27, 2014 Aug 27, 2014 Aug 28, 2014 Aug 28, 2014 Aug 29, 2014 Aug 29, 2014 Aug 20, 2015 Aug 20, 2015 Apr 24, 2015 Apr 27, 2015 Apr 27, 2015 Apr 27, 2015 Aug 22, 2015 Aug 2016	Oct 25, 2013	Nov 22, 2013	1.000000
Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Nov 25, 2013	Dec 24, 2013	1.000000
Feb 25, 2014	Dec 26, 2013	Jan 24, 2014	1.000000
Mar 25, 2014	Jan 27, 2014	Feb 24, 2014	1.000000
Apr 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Feb 25, 2014	Mar 24, 2014	1.000000
May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Mar 25, 2014	Apr 24, 2014	1.000000
Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Apr 25, 2014	May 23, 2014	1.000000
Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	May 27, 2014	Jun 24, 2014	1.000000
Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jun 25, 2014	Jul 24, 2014	1.000000
Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jul 25, 2014	Aug 22, 2014	1.000000
Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Aug 25, 2014	Sep 24, 2014	1.000000
Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Sep 25, 2014	Oct 24, 2014	1.000000
Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Oct 27, 2014	Nov 24, 2014	1.000000
Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Nov 25, 2014	Dec 24, 2014	1.000000
Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Dec 26, 2014	Jan 23, 2015	1.000000
Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jan 26, 2015	Feb 24, 2015	1.000000
Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Feb 25, 2015	Mar 24, 2015	1.000000
May 26, 2015 Jun 24, 2015 1.000000	Mar 25, 2015	Apr 24, 2015	1.000000
Lun 25, 2015	Apr 27, 2015	May 22, 2015	1.000000
Jun 25, 2015 1.000000	May 26, 2015	Jun 24, 2015	1.000000
	Jun 25, 2015		1.000000

M5 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
	*	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M5 Certificate Writedown Free Factor Chart

Aug 25, 2011 Sep 23, 2011 1.000000 Sep 26, 2011 Oct 24, 2011 1.000000 Oct 25, 2011 Nov 23, 2011 1.000000 Nov 25, 2011 Dec 23, 2011 1.000000 Dec 27, 2011 Jan 24, 2012 1.000000 Jan 25, 2012 Feb 24, 2012 1.000000 Feb 27, 2012 Mar 23, 2012 1.000000 Apr 26, 2012 Apr 24, 2012 1.000000 Apr 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jun 22, 2012 1.000000 Jul 25, 2012 Jun 22, 2012 1.000000 Aug 77, 2012 Sep 24, 2012 1.000000 Aug 77, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 Jul 24, 2013 1.000000 Apr 25, 2013 Jul 24, 2013 1.000000 Apr 25, 2013 Apr 24, 2013 1.000000 Apr 25, 2013 Jul 24, 2013 1.000000 Apr 25, 2013 Jul 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 May 27, 2014 1.000000 Apr 25, 2014 Apr 24, 2015 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 27, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2015 1.000000 Apr 27, 2014 Feb 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.00	From	То	Writedown Free Factor
Oct 25, 2011 Nov 23, 2011 1.000000 Nov 25, 2011 Dec 23, 2011 1.000000 Dec 27, 2011 Jan 24, 2012 1.000000 Feb 27, 2012 Feb 24, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 Apr 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Jul 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 Jun 24, 2013 1.000000 Apr 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Jan 24, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Aug 25, 2014 May 27, 2014 1.000000 Aug 25, 2014 May 23, 2014 1.000000 Aug 25, 2014 May 27, 2014 1.000000 Aug 25, 2014 Jun 24, 2015 1.000000 Apr 26, 2015 Mar 24, 2015 1.0000000 Apr 27, 2015 May 22, 2015 1.0000000 Apr 26, 2015 Jun 24, 2015 1.			
Nov 25, 2011 Dec 23, 2011 1.000000 Dec 27, 2011 Jan 24, 2012 1.000000 Feb 27, 2012 Feb 24, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 May 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jun 27, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Aug 25, 2014 Jun 24, 2015 1.000000 Apr 26, 2015 Mar 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.00	Sep 26, 2011	Oct 24, 2011	1.000000
Dec 27, 2011 Jan 24, 2012 1.000000 Jan 25, 2012 Feb 24, 2012 1.000000 Feb 27, 2012 Mar 23, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 Apr 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jun 22, 2012 1.000000 Jul 25, 2012 Jul 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Mar 26, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Jun 24, 2014 1.000000 Aug 25, 2014 Jun 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2015 1.000000 Apr 25, 2015 Mar 24, 2015 1.000000 Apr 25, 2015 Mar 24, 2015 1.000000 Apr 25, 2015 Mar 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000	Oct 25, 2011	Nov 23, 2011	1.000000
Jan 25, 2012 Feb 24, 2012 1.000000 Feb 27, 2012 Mar 23, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Jan 25, 2013 Mar 22, 2013 1.000000 Jan 25, 2013 Jun 24, 2013 1.000000 Jan 25, 2013 Mar 22, 2013 1.000000 Jan 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Jan 25, 2013 Mar 24, 2013 1.000000 Jan 25, 2013 Mar 24, 2013 1.000000 Mar 25, 2013 Mar 24, 2013 1.000000 Jun 25, 2013 Mar 24, 2013 1.000000 Apr 25, 2013 Mar 24, 2013 1.000000 Apr 25, 2013 Mar 24, 2013 1.000000 Mar 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Mar 26, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Oct 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Aug 25, 2014 Mar 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 26, 2015 Feb 24, 2015 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000	Nov 25, 2011	Dec 23, 2011	1.000000
Feb 27, 2012 Mar 23, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 Apr 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Apr 25, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Aug 25, 2014 May 23, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Apr 25, 2014 Jun 24, 2014 1.000000 Apr 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Apr 25, 2014 Sep 24, 2015 1.000000 Apr 25, 2015 Mar 24, 2015 1.000000 Apr 25, 2015 May 22, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000	Dec 27, 2011	Jan 24, 2012	1.000000
Mar 26, 2012	Jan 25, 2012	Feb 24, 2012	1.000000
Apr 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 May 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Oct 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jun 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 26, 2015 May 24, 2015 1.000000 Aug 26, 2015 May 22, 2015 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000	Feb 27, 2012	Mar 23, 2012	1.000000
May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Oct 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 May 27, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 May 23, 2014 1.000000 Jun 25, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Mar 26, 2012	Apr 24, 2012	1.000000
Jun 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 Jul 24, 2013 1.000000 Jul 25, 2013 Jul 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 Aug 23, 2013 1.000000 Jul 25, 2013 Aug 23, 2013 1.000000 Jul 25, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Oct 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 May 27, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jun 24, 2014 1.000000 Jul 25, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Jul 25, 2014 Sep 24, 2014 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Apr 25, 2012	May 24, 2012	1.000000
Jul 25, 2012	May 25, 2012	Jun 22, 2012	1.000000
Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 Jun 25, 2013 May 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Aug 22, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Dec 26, 2014 Jun 24, 2014 1.000000 Nov 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jun 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Nov 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Dec 26, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jun 25, 2012	Jul 24, 2012	1.000000
Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 May 23, 2014 1.000000 Apr 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Apr 25, 2014 Jul 24, 2014 1.000000 Apr 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Apr 27, 2014 Feb 24, 2014 1.000000 Apr 27, 2014 Feb 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 Apr 27, 2015 May 26, 2015 1.000000	Jul 25, 2012	Aug 24, 2012	1.000000
Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Apr 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jul 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 Apr 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Peb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Aug 27, 2012	Sep 24, 2012	1.000000
Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Apr 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jun 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Apr 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Nov 25, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 May 22, 2015 1.000000 Mar 25, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Sep 25, 2012	Oct 24, 2012	1.000000
Dec 26, 2012 Jan 24, 2013 Jan 25, 2013 Feb 22, 2013 Jan 25, 2013 Mar 22, 2013 Apr 24, 2013 Jan 25, 2013 Apr 24, 2013 Apr 25, 2013 Apr 24, 2013 Jan 26, 2013 Jan 27, 2014 Jan 27, 2014 Apr 28, 2014 Apr 24, 2014 Jan 28, 2014 Jan 29, 2014 Jan 29, 2014 Apr 29, 2014 Apr 29, 2014 Apr 29, 2014 Apr 29, 2014 Jan 29, 2015 Jan 29, 2014 Jan 200000 Jan 20, 2015 Jan 29, 2015 Jan 200000 Jan 20, 2015 Jan 2015	Oct 25, 2012	Nov 23, 2012	1.000000
Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Apr 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Nov 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 May 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Dec 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Nov 26, 2012	Dec 24, 2012	1.000000
Feb 25, 2013	Dec 26, 2012	Jan 24, 2013	1.000000
Mar 25, 2013	Jan 25, 2013	Feb 22, 2013	1.000000
Apr 25, 2013	Feb 25, 2013	Mar 22, 2013	1.000000
May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Oct 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 May 26, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Mar 25, 2013	Apr 24, 2013	1.000000
Jun 25, 2013 Jul 24, 2013 1.000000 Jul 25, 2013 Aug 23, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 Jan 24, 2014 I.000000 Feb 25, 2014 May 23, 2014 Jun 24, 2014 Jun 25, 2014 Jun 25, 2014 Jun 24, 2014 Jun 26, 2014 Jun 26, 2014 Sep 27, 2014 Sep 28, 2014 Aug 29, 2014 Jun 200000 May 27, 2014 Jun 28, 2014 Jun 29, 2014 Jun 200000 Sep 25, 2014 Aug 29, 2014 Jun 200000 Aug 25, 2014 Aug 29, 2014 Jun 200000 Sep 25, 2014 Aug 29, 2015 Jun 200000 Aug 26, 2015 Jun 24, 2015 Jun 200000 Aug 26, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 27, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 24, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 26, 2015 Jun 27, 2015 Jun 28, 2015 Jun 29, 2015 Jun 2000000	Apr 25, 2013	May 24, 2013	1.000000
Jul 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Oct 27, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Feb 25, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	May 28, 2013	Jun 24, 2013	1.000000
Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Sep 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Nov 25, 2014 Oct 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Feb 25, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jun 25, 2013	Jul 24, 2013	1.000000
Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Oct 27, 2014 Sep 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Oct 27, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jul 25, 2013	Aug 23, 2013	1.000000
Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Oct 27, 2014 Dec 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Aug 26, 2013	Sep 24, 2013	1.000000
Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 Aug 22, 2014 1.000000 Sep 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 Jan 23, 2015 Jan 26, 2015 Feb 24, 2015 Jun 200000 Mar 25, 2015 Mar 24, 2015 Jun 26, 2015 Jun 26, 2015 Jun 27, 2015 May 26, 2015 Jun 24, 2015 Jun 200000 May 26, 2015 Jun 24, 2015 Jun 200000 May 26, 2015 Jun 24, 2015 Jun 200000 Jun 26, 2015 Jun 27, 2015 Jun 24, 2015 Jun 200000 Jun 26, 2015 Jun 27, 2016 Jun 27, 2017 Jun 27, 2017 Jun 27, 2017	Sep 25, 2013	Oct 24, 2013	1.000000
Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 Jun 25, 2014 Aug 22, 2014 Aug 22, 2014 Aug 25, 2014 Aug 25, 2014 Aug 25, 2014 Aug 27, 2014 Aug 27, 2014 Aug 28, 2014 Aug 28, 2014 Aug 29, 2014 Aug 29, 2014 Aug 20, 2015 Aug 20, 2015 Apr 24, 2015 Apr 27, 2015 Apr 27, 2015 Apr 27, 2015 Aug 22, 2015 Aug 2016	Oct 25, 2013	Nov 22, 2013	1.000000
Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Nov 25, 2013	Dec 24, 2013	1.000000
Feb 25, 2014	Dec 26, 2013	Jan 24, 2014	1.000000
Mar 25, 2014	Jan 27, 2014	Feb 24, 2014	1.000000
Apr 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Feb 25, 2014	Mar 24, 2014	1.000000
May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Mar 25, 2014	Apr 24, 2014	1.000000
Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Apr 25, 2014	May 23, 2014	1.000000
Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	May 27, 2014	Jun 24, 2014	1.000000
Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jun 25, 2014	Jul 24, 2014	1.000000
Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jul 25, 2014	Aug 22, 2014	1.000000
Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Aug 25, 2014	Sep 24, 2014	1.000000
Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Sep 25, 2014	Oct 24, 2014	1.000000
Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Oct 27, 2014	Nov 24, 2014	1.000000
Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Nov 25, 2014	Dec 24, 2014	1.000000
Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Dec 26, 2014	Jan 23, 2015	1.000000
Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jan 26, 2015	Feb 24, 2015	1.000000
Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Feb 25, 2015	Mar 24, 2015	1.000000
May 26, 2015 Jun 24, 2015 1.000000	Mar 25, 2015	Apr 24, 2015	1.000000
Lun 25, 2015	Apr 27, 2015	May 22, 2015	1.000000
Jun 25, 2015 1.000000	May 26, 2015	Jun 24, 2015	1.000000
	Jun 25, 2015		1.000000

M6 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
	*	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M6 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M7 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M7 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

M8 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
	•	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M8 Certificate Writedown Free Factor Chart

Aug 25, 2011 Sep 23, 2011 1.000000 Sep 26, 2011 Oct 24, 2011 1.000000 Oct 25, 2011 Nov 23, 2011 1.000000 Nov 25, 2011 Dec 23, 2011 1.000000 Dec 27, 2011 Jan 24, 2012 1.000000 Jan 25, 2012 Feb 24, 2012 1.000000 Feb 27, 2012 Mar 23, 2012 1.000000 Apr 26, 2012 Apr 24, 2012 1.000000 Apr 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jun 22, 2012 1.000000 Jul 25, 2012 Jun 22, 2012 1.000000 Aug 77, 2012 Sep 24, 2012 1.000000 Aug 77, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 Jul 24, 2013 1.000000 Apr 25, 2013 Jul 24, 2013 1.000000 Apr 25, 2013 Apr 24, 2013 1.000000 Apr 25, 2013 Jul 24, 2013 1.000000 Apr 25, 2013 Jul 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 May 27, 2014 1.000000 Apr 25, 2014 Apr 24, 2015 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 27, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Feb 24, 2015 1.000000 Apr 27, 2014 Feb 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.00	From	То	Writedown Free Factor
Oct 25, 2011 Nov 23, 2011 1.000000 Nov 25, 2011 Dec 23, 2011 1.000000 Dec 27, 2011 Jan 24, 2012 1.000000 Feb 27, 2012 Feb 24, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 Apr 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Jul 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 Jun 24, 2013 1.000000 Apr 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Jan 24, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Aug 25, 2014 May 27, 2014 1.000000 Aug 25, 2014 May 23, 2014 1.000000 Aug 25, 2014 May 27, 2014 1.000000 Aug 25, 2014 Jun 24, 2015 1.000000 Apr 26, 2015 Mar 24, 2015 1.0000000 Apr 27, 2015 May 22, 2015 1.0000000 Apr 26, 2015 Jun 24, 2015 1.			
Nov 25, 2011 Dec 23, 2011 1.000000 Dec 27, 2011 Jan 24, 2012 1.000000 Feb 27, 2012 Feb 24, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 May 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jun 27, 2014 Feb 24, 2014 1.000000 Apr 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Aug 25, 2014 Jun 24, 2015 1.000000 Apr 26, 2015 Mar 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.00	Sep 26, 2011	Oct 24, 2011	1.000000
Dec 27, 2011 Jan 24, 2012 1.000000 Jan 25, 2012 Feb 24, 2012 1.000000 Feb 27, 2012 Mar 23, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 Apr 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jun 22, 2012 1.000000 Jul 25, 2012 Jul 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Mar 26, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Jun 24, 2014 1.000000 Aug 25, 2014 Jun 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2015 1.000000 Apr 25, 2015 Mar 24, 2015 1.000000 Apr 25, 2015 Mar 24, 2015 1.000000 Apr 25, 2015 Mar 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000	Oct 25, 2011	Nov 23, 2011	1.000000
Jan 25, 2012 Feb 24, 2012 1.000000 Feb 27, 2012 Mar 23, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Jan 25, 2013 Mar 22, 2013 1.000000 Jan 25, 2013 Jun 24, 2013 1.000000 Jan 25, 2013 Mar 22, 2013 1.000000 Jan 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Jan 25, 2013 Mar 24, 2013 1.000000 Jan 25, 2013 Mar 24, 2013 1.000000 Mar 25, 2013 Mar 24, 2013 1.000000 Jun 25, 2013 Mar 24, 2013 1.000000 Apr 25, 2013 Mar 24, 2013 1.000000 Apr 25, 2013 Mar 24, 2013 1.000000 Mar 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Mar 26, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Oct 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Aug 25, 2014 Mar 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 26, 2015 Feb 24, 2015 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000	Nov 25, 2011	Dec 23, 2011	1.000000
Feb 27, 2012 Mar 23, 2012 1.000000 Mar 26, 2012 Apr 24, 2012 1.000000 Apr 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Apr 25, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Aug 25, 2014 May 23, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Apr 25, 2014 Jun 24, 2014 1.000000 Apr 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Apr 25, 2014 Sep 24, 2015 1.000000 Apr 25, 2015 Mar 24, 2015 1.000000 Apr 25, 2015 May 22, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000 Apr 26, 2015 Jun 24, 2015 1.000000	Dec 27, 2011	Jan 24, 2012	1.000000
Mar 26, 2012	Jan 25, 2012	Feb 24, 2012	1.000000
Apr 25, 2012 May 24, 2012 1.000000 May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 May 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Oct 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jun 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 26, 2015 May 24, 2015 1.000000 Aug 26, 2015 May 22, 2015 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000	Feb 27, 2012	Mar 23, 2012	1.000000
May 25, 2012 Jun 22, 2012 1.000000 Jun 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Oct 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 May 27, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 May 23, 2014 1.000000 Jun 25, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Aug 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Mar 26, 2012	Apr 24, 2012	1.000000
Jun 25, 2012 Jul 24, 2012 1.000000 Jul 25, 2012 Aug 24, 2012 1.000000 Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 Jul 24, 2013 1.000000 Jul 25, 2013 Jul 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jul 25, 2013 Aug 23, 2013 1.000000 Jul 25, 2013 Aug 23, 2013 1.000000 Jul 25, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Oct 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 May 27, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jun 24, 2014 1.000000 Jul 25, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Jul 25, 2014 Sep 24, 2015 1.000000 May 26, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Apr 25, 2012	May 24, 2012	1.000000
Jul 25, 2012	May 25, 2012	Jun 22, 2012	1.000000
Aug 27, 2012 Sep 24, 2012 1.000000 Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 May 24, 2013 1.000000 Jun 25, 2013 May 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Aug 22, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Dec 26, 2014 Jun 24, 2014 1.000000 Nov 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jun 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Nov 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Dec 26, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jun 25, 2012	Jul 24, 2012	1.000000
Sep 25, 2012 Oct 24, 2012 1.000000 Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 May 23, 2014 1.000000 Apr 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Apr 25, 2014 Jul 24, 2014 1.000000 Apr 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Apr 27, 2014 Feb 24, 2014 1.000000 Apr 27, 2014 Feb 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 Apr 27, 2015 May 26, 2015 1.000000	Jul 25, 2012	Aug 24, 2012	1.000000
Oct 25, 2012 Nov 23, 2012 1.000000 Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Apr 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jul 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 Apr 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Peb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Aug 27, 2012	Sep 24, 2012	1.000000
Nov 26, 2012 Dec 24, 2012 1.000000 Dec 26, 2012 Jan 24, 2013 1.000000 Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Apr 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Jun 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Apr 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Sep 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Nov 25, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 May 22, 2015 1.000000 Mar 25, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Sep 25, 2012	Oct 24, 2012	1.000000
Dec 26, 2012 Jan 24, 2013 Jan 25, 2013 Feb 22, 2013 Jan 25, 2013 Mar 22, 2013 Apr 24, 2013 Jan 25, 2013 Apr 24, 2013 Apr 25, 2013 Apr 24, 2013 Jan 26, 2013 Jan 27, 2014 Jan 27, 2014 Apr 28, 2014 Apr 24, 2014 Jan 28, 2014 Jan 29, 2014 Jan 29, 2014 Apr 29, 2014 Apr 29, 2014 Apr 29, 2014 Apr 29, 2014 Jan 29, 2015 Jan 29, 2014 Jan 200000 Jan 20, 2015 Jan 29, 2015 Jan 200000 Jan 20, 2015 Jan 2015	Oct 25, 2012	Nov 23, 2012	1.000000
Jan 25, 2013 Feb 22, 2013 1.000000 Feb 25, 2013 Mar 22, 2013 1.000000 Mar 25, 2013 Apr 24, 2013 1.000000 Apr 25, 2013 May 24, 2013 1.000000 May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Nov 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 May 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Dec 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Nov 26, 2012	Dec 24, 2012	1.000000
Feb 25, 2013	Dec 26, 2012	Jan 24, 2013	1.000000
Mar 25, 2013	Jan 25, 2013	Feb 22, 2013	1.000000
Apr 25, 2013	Feb 25, 2013	Mar 22, 2013	1.000000
May 28, 2013 Jun 24, 2013 1.000000 Jun 25, 2013 Jul 24, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Oct 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 May 26, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Mar 25, 2013	Apr 24, 2013	1.000000
Jun 25, 2013 Jul 24, 2013 1.000000 Jul 25, 2013 Aug 23, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 Jan 24, 2014 I.000000 Feb 25, 2014 May 23, 2014 Jun 24, 2014 Jun 25, 2014 Jun 25, 2014 Jun 24, 2014 Jun 26, 2014 Jun 26, 2014 Sep 27, 2014 Sep 28, 2014 Aug 29, 2014 Jun 200000 May 27, 2014 Jun 28, 2014 Jun 29, 2014 Jun 200000 Sep 25, 2014 Aug 29, 2014 Jun 200000 Aug 25, 2014 Aug 29, 2014 Jun 200000 Sep 25, 2014 Aug 29, 2015 Jun 200000 Aug 26, 2015 Jun 24, 2015 Jun 200000 Aug 26, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 27, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 24, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 24, 2015 Jun 2000000 Jun 26, 2015 Jun 26, 2015 Jun 27, 2015 Jun 28, 2015 Jun 29, 2015 Jun 2000000	Apr 25, 2013	May 24, 2013	1.000000
Jul 25, 2013 Aug 23, 2013 1.000000 Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Oct 27, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Feb 25, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	May 28, 2013	Jun 24, 2013	1.000000
Aug 26, 2013 Sep 24, 2013 1.000000 Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Sep 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Nov 25, 2014 Oct 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Feb 25, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jun 25, 2013	Jul 24, 2013	1.000000
Sep 25, 2013 Oct 24, 2013 1.000000 Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Oct 27, 2014 Sep 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Oct 27, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jul 25, 2013	Aug 23, 2013	1.000000
Oct 25, 2013 Nov 22, 2013 1.000000 Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jun 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Oct 27, 2014 Dec 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Aug 26, 2013	Sep 24, 2013	1.000000
Nov 25, 2013 Dec 24, 2013 1.000000 Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 Aug 22, 2014 1.000000 Sep 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 Jan 23, 2015 Jan 26, 2015 Feb 24, 2015 Jun 200000 Mar 25, 2015 Mar 24, 2015 Jun 26, 2015 Jun 26, 2015 Jun 27, 2015 May 26, 2015 Jun 24, 2015 Jun 200000 May 26, 2015 Jun 24, 2015 Jun 200000 May 26, 2015 Jun 24, 2015 Jun 200000 Jun 26, 2015 Jun 27, 2015 Jun 24, 2015 Jun 200000 Jun 26, 2015 Jun 27, 2016 Jun 27, 2017 Jun 27, 2017 Jun 27, 2017	Sep 25, 2013	Oct 24, 2013	1.000000
Dec 26, 2013 Jan 24, 2014 1.000000 Jan 27, 2014 Feb 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 Jun 24, 2014 1.000000 May 27, 2014 Jun 24, 2014 Jun 25, 2014 Aug 22, 2014 Aug 22, 2014 Aug 25, 2014 Aug 25, 2014 Aug 25, 2014 Aug 27, 2014 Aug 27, 2014 Aug 28, 2014 Aug 28, 2014 Aug 29, 2014 Aug 29, 2014 Aug 20, 2015 Aug 20, 2015 Apr 24, 2015 Apr 27, 2015 Apr 27, 2015 Apr 27, 2015 Aug 22, 2015 Aug 2016	Oct 25, 2013	Nov 22, 2013	1.000000
Jan 27, 2014 Feb 24, 2014 1.000000 Feb 25, 2014 Mar 24, 2014 1.000000 Mar 25, 2014 Apr 24, 2014 1.000000 Apr 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Nov 25, 2013	Dec 24, 2013	1.000000
Feb 25, 2014	Dec 26, 2013	Jan 24, 2014	1.000000
Mar 25, 2014	Jan 27, 2014	Feb 24, 2014	1.000000
Apr 25, 2014 May 23, 2014 1.000000 May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Feb 25, 2014	Mar 24, 2014	1.000000
May 27, 2014 Jun 24, 2014 1.000000 Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Mar 25, 2015 Mar 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Mar 25, 2014	Apr 24, 2014	1.000000
Jun 25, 2014 Jul 24, 2014 1.000000 Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Apr 25, 2014	May 23, 2014	1.000000
Jul 25, 2014 Aug 22, 2014 1.000000 Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	May 27, 2014	Jun 24, 2014	1.000000
Aug 25, 2014 Sep 24, 2014 1.000000 Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jun 25, 2014	Jul 24, 2014	1.000000
Sep 25, 2014 Oct 24, 2014 1.000000 Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jul 25, 2014	Aug 22, 2014	1.000000
Oct 27, 2014 Nov 24, 2014 1.000000 Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Aug 25, 2014	Sep 24, 2014	1.000000
Nov 25, 2014 Dec 24, 2014 1.000000 Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Sep 25, 2014	Oct 24, 2014	1.000000
Dec 26, 2014 Jan 23, 2015 1.000000 Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Oct 27, 2014	Nov 24, 2014	1.000000
Jan 26, 2015 Feb 24, 2015 1.000000 Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Nov 25, 2014	Dec 24, 2014	1.000000
Feb 25, 2015 Mar 24, 2015 1.000000 Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Dec 26, 2014	Jan 23, 2015	1.000000
Mar 25, 2015 Apr 24, 2015 1.000000 Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Jan 26, 2015	Feb 24, 2015	1.000000
Apr 27, 2015 May 22, 2015 1.000000 May 26, 2015 Jun 24, 2015 1.000000	Feb 25, 2015	Mar 24, 2015	1.000000
May 26, 2015 Jun 24, 2015 1.000000	Mar 25, 2015	Apr 24, 2015	1.000000
Lun 25, 2015	Apr 27, 2015	May 22, 2015	1.000000
Jun 25, 2015 1.000000	May 26, 2015	Jun 24, 2015	1.000000
	Jun 25, 2015		1.000000

M9 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 24, 2007	1.000000
Jul 25, 2007	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
		1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000

M9 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	1.000000
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	1.000000
Feb 27, 2012	Mar 23, 2012	1.000000
Mar 26, 2012	Apr 24, 2012	1.000000
Apr 25, 2012	May 24, 2012	1.000000
May 25, 2012	Jun 22, 2012	1.000000
Jun 25, 2012	Jul 24, 2012	1.000000
Jul 25, 2012	Aug 24, 2012	1.000000
Aug 27, 2012	Sep 24, 2012	1.000000
Sep 25, 2012	Oct 24, 2012	1.000000
Oct 25, 2012	Nov 23, 2012	1.000000
Nov 26, 2012	Dec 24, 2012	1.000000
Dec 26, 2012	Jan 24, 2013	1.000000
Jan 25, 2013	Feb 22, 2013	1.000000
Feb 25, 2013	Mar 22, 2013	1.000000
Mar 25, 2013	Apr 24, 2013	1.000000
Apr 25, 2013	May 24, 2013	1.000000
May 28, 2013	Jun 24, 2013	1.000000
Jun 25, 2013	Jul 24, 2013	1.000000
Jul 25, 2013	Aug 23, 2013	1.000000
Aug 26, 2013	Sep 24, 2013	1.000000
Sep 25, 2013	Oct 24, 2013	1.000000
Oct 25, 2013	Nov 22, 2013	1.000000
Nov 25, 2013	Dec 24, 2013	1.000000
Dec 26, 2013	Jan 24, 2014	1.000000
Jan 27, 2014	Feb 24, 2014	1.000000
Feb 25, 2014	Mar 24, 2014	1.000000
Mar 25, 2014	Apr 24, 2014	1.000000
Apr 25, 2014	May 23, 2014	1.000000
May 27, 2014	Jun 24, 2014	1.000000
Jun 25, 2014	Jul 24, 2014	1.000000
Jul 25, 2014	Aug 22, 2014	1.000000
Aug 25, 2014	Sep 24, 2014	1.000000
Sep 25, 2014	Oct 24, 2014	1.000000
Oct 27, 2014	Nov 24, 2014	1.000000
Nov 25, 2014	Dec 24, 2014	1.000000
Dec 26, 2014	Jan 23, 2015	1.000000
Jan 26, 2015	Feb 24, 2015	1.000000
Feb 25, 2015	Mar 24, 2015	1.000000
Mar 25, 2015	Apr 24, 2015	1.000000
Apr 27, 2015	May 22, 2015	1.000000
May 26, 2015	Jun 24, 2015	1.000000
Jun 25, 2015		1.000000

1A1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
<u> </u>	Apr 30, 2007	1.000000
May 01, 2007	May 31, 2007	0.987291
Jun 01, 2007	Jun 29, 2007	0.981803
Jul 02, 2007	Jul 31, 2007	
Aug 01, 2007	Aug 31, 2007	0.974117
Sep 04, 2007	Sep 28, 2007	0.964195
Oct 01, 2007	Oct 31, 2007	0.942493
Nov 01, 2007	Nov 30, 2007	0.942210
Dec 03, 2007	Dec 31, 2007	0.938268
Jan 02, 2008	Jan 31, 2008	0.926900
Feb 01, 2008	Feb 29, 2008	0.923129
Mar 03, 2008	Mar 31, 2008	0.913065
Apr 01, 2008	Apr 30, 2008	0.909122
May 01, 2008	May 30, 2008	0.893239
	•	0.877392
Jun 02, 2008	Jun 30, 2008	0.872941
Jul 01, 2008	Jul 31, 2008	0.872091
Aug 01, 2008	Aug 29, 2008	0.860630
Sep 02, 2008	Sep 30, 2008	0.849742
Oct 01, 2008	Oct 31, 2008	0.846990
Nov 03, 2008	Nov 28, 2008	0.844419
Dec 01, 2008	Dec 31, 2008	0.841179
Jan 02, 2009	Jan 30, 2009	0.830378
Feb 02, 2009	Feb 27, 2009	0.823320
Mar 02, 2009	Mar 31, 2009	0.815879
Apr 01, 2009	Apr 30, 2009	0.812898
May 01, 2009	May 29, 2009	0.807160
Jun 01, 2009	Jun 30, 2009	0.797614
Jul 01, 2009	Jul 31, 2009	0.783091
Aug 03, 2009	Aug 31, 2009	0.774461
Sep 01, 2009	Sep 30, 2009	0.774249
Oct 01, 2009	Oct 30, 2009	0.772103
Nov 02, 2009	Nov 30, 2009	0.765563
Dec 01, 2009	Dec 31, 2009	0.760294
Jan 04, 2010	Jan 29, 2010	0.740563
Feb 01, 2010	Feb 26, 2010	0.733765
Mar 01, 2010	Mar 31, 2010	0.723144
Apr 01, 2010	Apr 30, 2010	0.714994
May 03, 2010	May 28, 2010	0.707097
Jun 01, 2010	Jun 30, 2010	0.697116
Jul 01, 2010	Jul 30, 2010	0.689370
Aug 02, 2010	Aug 31, 2010	0.670638
Sep 01, 2010	Sep 30, 2010	0.663497
Oct 01, 2010	Oct 29, 2010	0.660504
Nov 01, 2010	Nov 30, 2010	0.636132
Dec 01, 2010	Dec 31, 2010	0.635984
Jan 03, 2011	Jan 31, 2011	0.630157
Feb 01, 2011	Feb 28, 2011	0.616283
Mar 01, 2011	Mar 31, 2011	0.611703
Apr 01, 2011	Apr 29, 2011	0.600862
May 02, 2011	May 31, 2011	0.594622
Jun 01, 2011	Jun 30, 2011	0.594622

1A1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 01, 2011	Jul 29, 2011	0.588794
Aug 01, 2011	Aug 31, 2011	0.577841
Sep 01, 2011	Sep 30, 2011	0.562090
Oct 03, 2011	Oct 31, 2011	0.548907
Nov 01, 2011	Nov 30, 2011	0.547298
Dec 01, 2011	Dec 30, 2011	0.539710
Jan 03, 2012	Jan 31, 2012	0.535943
Feb 01, 2012	Feb 29, 2012	0.530075
Mar 01, 2012	Mar 30, 2012	0.524816
Apr 02, 2012	Apr 30, 2012	0.516590
May 01, 2012	May 31, 2012	0.512273
Jun 01, 2012	Jun 29, 2012	0.501005
Jul 02, 2012	Jul 31, 2012	0.492588
Aug 01, 2012	Aug 31, 2012	0.484052
Sep 04, 2012	Sep 28, 2012	0.477716
Oct 01, 2012	Oct 31, 2012	0.467690
Nov 01, 2012	Nov 30, 2012	0.463048
Dec 03, 2012	Dec 31, 2012	0.457725
Jan 02, 2013	Jan 31, 2013	0.450263
Feb 01, 2013	Feb 28, 2013	0.443331
Mar 01, 2013	Mar 29, 2013	0.438113
Apr 01, 2013	Apr 30, 2013	0.432338
May 01, 2013	May 31, 2013	0.427854
Jun 03, 2013	Jun 28, 2013	0.418866
Jul 01, 2013	Jul 31, 2013	0.411562
Aug 01, 2013	Aug 30, 2013	0.402951
Sep 03, 2013	Sep 30, 2013	0.395321
Oct 01, 2013	Oct 31, 2013	0.390302
Nov 01, 2013	Nov 29, 2013	0.386209
Dec 02, 2013	Dec 31, 2013	0.379354
Jan 02, 2014	Jan 31, 2014	0.369631
Feb 03, 2014	Feb 28, 2014	0.367824
Mar 03, 2014	Mar 31, 2014	0.360878
Apr 01, 2014	Apr 30, 2014	0.354311
May 01, 2014	May 30, 2014	0.350904
Jun 02, 2014	Jun 30, 2014	0.345583
Jul 01, 2014	Jul 31, 2014	0.341013
Aug 01, 2014	Aug 29, 2014	0.339950
Sep 02, 2014	Sep 30, 2014	0.336491
Oct 01, 2014	Oct 31, 2014	0.334875
Nov 03, 2014	Nov 28, 2014	0.332731
Dec 01, 2014	Dec 31, 2014	0.331664
Jan 02, 2015	Jan 30, 2015	0.326080
Feb 02, 2015	Feb 27, 2015	0.325769
Mar 02, 2015	Mar 31, 2015	0.325320
Apr 01, 2015	Apr 30, 2015	0.319762
May 01, 2015	May 29, 2015	0.317322
Jun 01, 2015		0.312488
		

JP Morgan Mortgage Trust 2007-A3

1A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Apr 30, 2007	1.000000
May 01, 2007	May 31, 2007	0.987291
Jun 01, 2007	Jun 29, 2007	0.981803
Jul 02, 2007	Jul 31, 2007	0.974117
Aug 01, 2007	Aug 31, 2007	
Sep 04, 2007	Sep 28, 2007	0.964195
Oct 01, 2007	Oct 31, 2007	0.942493
Nov 01, 2007	Nov 30, 2007	0.942210
Dec 03, 2007	Dec 31, 2007	0.938268
Jan 02, 2008	Jan 31, 2008	0.926900
Feb 01, 2008	Feb 29, 2008	0.923129
Mar 03, 2008	Mar 31, 2008	0.913065
Apr 01, 2008	Apr 30, 2008	0.909122
May 01, 2008	May 30, 2008	0.893239
		0.877392
Jun 02, 2008	Jun 30, 2008	0.872941
Jul 01, 2008	Jul 31, 2008	0.872091
Aug 01, 2008	Aug 29, 2008	0.860630
Sep 02, 2008	Sep 30, 2008	0.849742
Oct 01, 2008	Oct 31, 2008	0.846990
Nov 03, 2008	Nov 28, 2008	0.844419
Dec 01, 2008	Dec 31, 2008	0.841179
Jan 02, 2009	Jan 30, 2009	0.830378
Feb 02, 2009	Feb 27, 2009	0.823320
Mar 02, 2009	Mar 31, 2009	0.815879
Apr 01, 2009	Apr 30, 2009	0.812898
May 01, 2009	May 29, 2009	0.807160
Jun 01, 2009	Jun 30, 2009	0.797614
Jul 01, 2009	Jul 31, 2009	0.783091
Aug 03, 2009	Aug 31, 2009	0.774461
Sep 01, 2009	Sep 30, 2009	0.774249
Oct 01, 2009	Oct 30, 2009	0.772103
Nov 02, 2009	Nov 30, 2009	0.765563
Dec 01, 2009	Dec 31, 2009	0.760294
Jan 04, 2010	Jan 29, 2010	0.740563
Feb 01, 2010	Feb 26, 2010	0.733765
Mar 01, 2010	Mar 31, 2010	0.723144
Apr 01, 2010	Apr 30, 2010	0.714994
May 03, 2010	May 28, 2010	0.707097
Jun 01, 2010	Jun 30, 2010	0.697116
Jul 01, 2010	Jul 30, 2010	0.689370
Aug 02, 2010	Aug 31, 2010	0.670638
Sep 01, 2010	Sep 30, 2010	0.663497
Oct 01, 2010	Oct 29, 2010	0.660504
Nov 01, 2010	Nov 30, 2010	0.636132
Dec 01, 2010	Dec 31, 2010	0.635984
Jan 03, 2011	Jan 31, 2011	0.630157
Feb 01, 2011	Feb 28, 2011	0.616283
Mar 01, 2011	Mar 31, 2011	0.611703
Apr 01, 2011	Apr 29, 2011	0.600862
May 02, 2011	May 31, 2011	0.594622
Jun 01, 2011	Jun 30, 2011	0.594622

1A2 Certificate Writedown Free Factor Chart

Jul 01, 2011 Jul 29, 2011 0,588794 Aug 01, 2011 Aug 31, 2011 0,577841 Sep 01, 2011 Sep 30, 2011 0,562090 Oct 03, 2011 0ct 31, 2011 0,548207 Nov 01, 2011 Nov 30, 2011 0,548207 Dec 01, 2011 Dec 30, 2011 0,548207 Dec 01, 2011 Dec 30, 2011 0,548664 Jan 03, 2012 Jan 31, 2012 0,536645 Mar 01, 2012 Mar 30, 2012 0,536645 Mar 01, 2012 Mar 30, 2012 0,531167 May 01, 2012 May 31, 2012 0,530200 Jun 01, 2012 Jul 29, 2012 0,520208 Jul 02, 2012 Jul 31, 2012 0,528603 Aug 01, 2012 Jul 31, 2012 0,528603 Aug 01, 2012 Aug 31, 2012 0,528413 Sep 04, 2012 Sep 28, 2012 0,528413 Oct 01, 2012 Oct 31, 2012 0,528413 Nov 01, 2012 Nov 30, 2012 0,528413 Dec 03, 2012 Dec 31, 2012 0,528413 Jan 02, 2013 Jan 31, 2013 0,528413 Mar 01, 2013 Mar 29, 2013 0,528413 Mar 01, 2013 Mar 29, 2013 0,528413 Jul 03, 2013 Jun 28, 2013 0,528413 Jul 01, 2013 Mar 29, 2013 0,528413 Jul 01, 2013 Mar 31, 2014 0,528413 Sep 03, 2013 Sep 30, 2013 0,528413 Sep 03, 2014 Mar 31, 2014 0,528413 Dec 02, 2015 Dec 31, 2014 0,528413 Jan 02, 2014 Jan 31, 2014 0,528413 Sep 03, 2014 Mar 31, 2014 0,528413 Dec 02, 2014 Jan 31, 2014 0,528413 Jul 01, 2014 Mar 31, 2014 0,528413 Jul 02, 2014 Jul 31, 2014 0,528413 Dec 01, 2014 Aug 29, 2015 0,528413 Dec 01, 2015 Apr 30, 2015 0,528413 Dec 01, 2015 Apr 30, 2015 0,528413 Dec 01, 2015 Apr 30, 2015 0,528413 Dec 01, 2015 Apr	From	То	Writedown Free Factor
Sep 01, 2011 Sep 30, 2011 0.562990 Oct 03, 2011 Oct 31, 2011 0.549567 Nov 01, 2011 Nov 30, 2011 0.548207 Dec 01, 2011 Dec 30, 2011 0.542864 Jan 03, 2012 Jan 31, 2012 0.540363 Feb 01, 2012 Feb 29, 2012 0.536645 Mar 01, 2012 Mar 30, 2012 0.534181 Apr 02, 2012 Apr 30, 2012 0.531167 May 01, 2012 May 31, 2012 0.530200 Jun 02, 2012 Jun 29, 2012 0.52020 Jun 02, 2012 Jun 29, 2012 0.529028 Jul 02, 2012 Jul 31, 2012 0.528603 Aug 01, 2012 Aug 31, 2012 0.528613 Sep 04, 2012 Sep 28, 2012 0.528413 Oct 01, 2012 Oct 31, 2012 0.528413 Nov 01, 2012 Nov 30, 2012 0.528413 Dec 03, 2012 Dec 31, 2012 0.528413 Jan 02, 2013 Jan 31, 2013 0.528413 Jan 02, 2013 Jan 31, 2013 0.528413 Apr 01, 2013 <td< th=""><th></th><th></th><th></th></td<>			
Oct 03, 2011 Oct 31, 2011 0.549567 Nov 01, 2011 Nov 30, 2011 0.548207 Dec 01, 2011 Dec 30, 2011 0.542864 Jan 03, 2012 Jan 31, 2012 0.540363 Feb 01, 2012 Feb 29, 2012 0.536645 Mar 01, 2012 Mar 30, 2012 0.534181 Apr 02, 2012 Apr 30, 2012 0.531167 May 01, 2012 May 31, 2012 0.530200 Jun 01, 2012 Jun 29, 2012 0.529028 Jul 02, 2012 Jul 31, 2012 0.528603 Aug 01, 2012 Aug 31, 2012 0.528603 Aug 01, 2012 Sep 28, 2012 0.528413 Oct 01, 2012 Oct 31, 2012 0.528413 Nov 01, 2012 Nov 30, 2012 0.528413 Dec 03, 2012 Dec 31, 2012 0.528413 Feb 01, 2013 Feb 28, 2013 0.528413 Apr 01, 2013 Mar 29, 2013 0.528413 Mar 01, 2013 Mar 29, 2013 0.528413 Apr 01, 2013 May 31, 2013 0.528413 Jul 03, 2013 Jul 31, 2013 0.528413 Jul 03, 2013 Jul 31, 2013 0.528413 Apr 01, 2013 May 31, 2013 0.528413 Jul 01, 2013 Jul 31, 2013 0.528413 Jul 01, 2013 Jul 31, 2013 0.528413 Jul 02, 2014 Jul 31, 2013 0.528413 Oct 01, 2013 Nov 29, 2013 0.528413 Dec 02, 2014 Jan 31, 2014 0.528413 Nov 01, 2014 Mar 31, 2014 0.528413 Jul 02, 2014 Jul 31, 2014 0.528413 Jul 02, 2014 Jul 31, 2014 0.528413 May 01, 2014 May 30, 2014 0.528413 Jul 02, 2014 Jul 31, 2014 0.528413 Dec 02, 2014 Dec 31, 2014 0.528413 Jul 02, 2014 Jul 31, 2014 0.528413 Jul 02, 2014 Dec 31, 2014 0.528413 Jul 02, 2015 Jan 30, 2015 0.528413 Dec 01, 2014 Dec 31, 2015 0.528413 Dec 01, 2015 Mar 31, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Mar 02, 2015 Mar 32, 2015 0.52	Aug 01, 2011	Aug 31, 2011	0.577841
Nov 01, 2011 Nov 30, 2011 0,548207 Dec 01, 2011 Dec 30, 2011 0,542864 Jan 03, 2012 Jan 31, 2012 0,540363 Feb 01, 2012 Feb 29, 2012 0,536645 Mar 01, 2012 Mar 30, 2012 0,534181 Apr 02, 2012 Apr 30, 2012 0,531167 May 01, 2012 May 31, 2012 0,530200 Jun 01, 2012 Jun 29, 2012 0,529028 Jul 02, 2012 Jul 31, 2012 0,528603 Aug 01, 2012 Jul 31, 2012 0,528603 Aug 01, 2012 Aug 31, 2012 0,528413 Oct 01, 2012 Oct 31, 2012 0,528413 Nov 01, 2012 Nov 30, 2012 0,528413 Dec 03, 2012 Dec 31, 2012 0,528413 Jan 02, 2013 Jan 31, 2013 0,528413 Feb 01, 2013 Feb 28, 2013 0,528413 Mar 01, 2013 Mar 29, 2013 0,528413 May 01, 2013 Mar 29, 2013 0,528413 Jun 03, 2013 Jun 28, 2013 0,528413 Jun 03, 2013 Jun 28, 2013 0,528413 Jun 03, 2013 Jun 28, 2013 0,528413 Aug 01, 2013 May 31, 2013 0,528413 Jun 03, 2013 Jun 28, 2013 0,528413 Aug 01, 2013 May 30, 2013 0,528413 Jun 03, 2013 Jun 28, 2013 0,528413 Aug 01, 2013 May 30, 2013 0,528413 Jun 03, 2013 Jun 28, 2013 0,528413 Aug 01, 2013 May 30, 2013 0,528413 Jun 03, 2013 Jun 28, 2013 0,528413 Aug 01, 2013 Aug 30, 2013 0,528413 Aug 01, 2014 Jun 31, 2014 0,528413 Dec 02, 2013 Dec 31, 2014 0,528413 Mar 03, 2014 Mar 31, 2014 0,528413 Mar 04, 2014 Mar 31, 2014 0,528413 Jun 02, 2014 Jun 30, 2014 0,528413 Jun 02, 2014 Dec 31, 2014 0,528413 Jun 02, 2015 Jan 30, 2015 0,528413 Dec 01, 2015 Mar 31, 2015 0,528413 Apr 01, 2015 Mar 31, 2015 0,52	Sep 01, 2011	Sep 30, 2011	0.562090
Dec 01, 2011 Dec 30, 2011 0.542864 Jan 03, 2012 Jan 31, 2012 0.530645 Feb 01, 2012 Feb 29, 2012 0.536645 Mar 01, 2012 Mar 30, 2012 0.531167 May 01, 2012 May 31, 2012 0.530200 Jun 01, 2012 Jun 29, 2012 0.52028 Jul 02, 2012 Aug 31, 2012 0.528603 Aug 01, 2012 Aug 31, 2012 0.528413 Sep 04, 2012 Sep 28, 2012 0.528413 Oct 01, 2012 Nov 30, 2012 0.528413 Dec 03, 2012 Dec 31, 2012 0.528413 Jan 02, 2013 Jan 31, 2013 0.528413 Mar 01, 2013 Mar 29, 2013 0.528413 Mar 01, 2013 Mar 29, 2013 0.528413 Apr 01, 2013 Mar 29, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Aug 01, 2013 Aug 30, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Aug 01, 2013 Mar 29, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Aug 01, 2013 May 31, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Aug 01, 2013 Aug 30, 2013 0.528413 Aug 01, 2014 Aug 30, 2013 0.528413 Dec 02, 2013 Dec 31, 2013 0.528413 Dec 02, 2014 Jan 31, 2014 0.528413 Mar 03, 2014 Feb 28, 2014 0.528413 Mar 03, 2014 Aug 29, 2014 0.528413 May 01, 2014 Aug 29, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2015 Feb 27, 2015 0.528413 Mar 02, 2015 Feb 27, 2015 0.528413 Mar 03, 2015 Mar 31, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Mar 03, 2015 0.528413 Mar 03, 2015 0.528413 Mar 04, 2015 Mar 31, 2015 0.528413 Mar 04, 2015 Mar 31, 2015 0.528413 Mar 05, 2015 Feb 27, 2015 0.528413 Mar 04, 2015 Mar 31,	Oct 03, 2011	Oct 31, 2011	0.549567
Jan 03, 2012 Jan 31, 2012 0.540363 Feb 01, 2012 Feb 29, 2012 0.536645 Mar 01, 2012 Mar 30, 2012 0.534181 Apr 02, 2012 Apr 30, 2012 0.531167 May 01, 2012 Jun 29, 2012 0.530200 Jun 01, 2012 Jun 29, 2012 0.528603 Aug 01, 2012 Aug 31, 2012 0.528603 Aug 01, 2012 Aug 31, 2012 0.528603 Aug 01, 2012 Aug 31, 2012 0.528413 Sep 04, 2012 Sep 28, 2012 0.528413 Oct 01, 2012 Oct 31, 2012 0.528413 Dec 03, 2012 Dec 31, 2012 0.528413 Dec 03, 2012 Dec 31, 2012 0.528413 Feb 01, 2013 Feb 28, 2013 0.528413 Apr 01, 2013 Mar 29, 2013 0.528413 Apr 01, 2013 Mar 29, 2013 0.528413 Apr 01, 2013 Mar 29, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Aug 01, 2013 Jun 31, 2013 0.528413 Aug 01, 2013 Jun 31, 2013 0.528413 Aug 01, 2013 Mar 31, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Aug 01, 2013 Mar 31, 2013 0.528413 Aug 01, 2013 Aug 30, 2013 0.528413 Aug 01, 2013 Aug 30, 2013 0.528413 Aug 01, 2013 Aug 30, 2013 0.528413 Oct 01, 2013 Aug 30, 2013 0.528413 Oct 01, 2013 Aug 30, 2013 0.528413 Dec 02, 2013 Dec 31, 2013 0.528413 Dec 02, 2014 Jan 31, 2014 0.528413 Apr 01, 2014 Apr 30, 2014 0.528413 Aug 01, 2014 Apr 30, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Dec 31, 2015 0.528413 Dec 01, 2015 Apr 30, 2015 0.528413 Dec 01, 2015 Dec 2015 Dec 2015 0.528413 Dec 01, 2015 Dec 2015 Dec 2015 0.528413 Dec 01	Nov 01, 2011	Nov 30, 2011	0.548207
Feb 01, 2012 Feb 29, 2012 0.536645 Mar 01, 2012 Mar 30, 2012 0.534181 Apr 02, 2012 Apr 30, 2012 0.531167 May 01, 2012 Jun 29, 2012 0.530200 Jun 01, 2012 Jun 29, 2012 0.529028 Jul 02, 2012 Aug 31, 2012 0.528603 Aug 01, 2012 Aug 31, 2012 0.528603 Aug 01, 2012 Aug 31, 2012 0.528413 Sep 04, 2012 Sep 28, 2012 0.528413 Oct 01, 2012 Nov 30, 2012 0.528413 Dec 03, 2012 Dec 31, 2012 0.528413 Feb 01, 2013 Feb 28, 2013 0.528413 Apr 01, 2013 Mar 29, 2013 0.528413 Apr 01, 2013 Mar 29, 2013 0.528413 Apr 01, 2013 Mary 31, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jun 04, 2013 Mary 31, 2013 0.528413 Jun 05, 2014 Jun 30, 2014 0.528413 Oct 01, 2013 Aug 30, 2013 0.528413 Oct 01, 2013 Aug 30, 2013 0.528413 Aug 01, 2013 Jun 28, 2013 0.528413 Jun 02, 2014 Jan 31, 2014 0.528413 Dec 02, 2014 Jan 31, 2014 0.528413 Jan 02, 2014 Jan 31, 2014 0.528413 Jun 03, 2014 Mar 31, 2014 0.528413 Jun 03, 2014 Mar 31, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jun 03, 2014 Mar 31, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jun 03, 2014 Dec 31, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jun 03, 2014 Mar 31, 2014 0.528413 Jun 03, 2014 Dec 31, 2014 0.528413 Jun 03, 2014 Dec 31, 2014 0.528413 Jun 04, 2014 Dec 31, 2014 0.528413 Jun 05, 2014 Dec 31, 2014 0.528413 Jun 07, 2014 Dec 31, 2014 0.528413 Dec 01, 2015 Jan 30, 2015 0.528413 Dec 01, 2015 Mar 31, 2015 0.	Dec 01, 2011	Dec 30, 2011	0.542864
Mar 01, 2012 Mar 30, 2012 0.534181 Apr 02, 2012 Apr 30, 2012 0.531167 May 01, 2012 Jun 29, 2012 0.529028 Jul 02, 2012 Jul 31, 2012 0.528603 Aug 01, 2012 Aug 31, 2012 0.528603 Aug 01, 2012 Aug 31, 2012 0.528413 Sep 04, 2012 Sep 28, 2012 0.528413 Oct 01, 2012 Nov 30, 2012 0.528413 Dec 03, 2012 Dec 31, 2012 0.528413 Jan 02, 2013 Jan 31, 2013 0.528413 Apr 01, 2013 Mar 29, 2013 0.528413 Apr 01, 2013 Mar 29, 2013 0.528413 Jul 01, 2013 Mary 31, 2013 0.528413 Jul 01, 2013 Jul 31, 2013 0.528413 Jul 01, 2013 Jul 31, 2013 0.528413 Aug 01, 2013 Aug 30, 2013 0.528413 Oct 01, 2013 Aug 30, 2013 0.528413 Oct 01, 2013 Aug 30, 2013 0.528413 Dec 02, 2013 Dec 31, 2013 0.528413 Oct 01, 2013 Mary 31, 2014 0.528413 Dec 02, 2014 Jan 31, 2014 0.528413 Jan 02, 2014 Jan 31, 2014 0.528413 Jul 02, 2014 Jan 31, 2014 0.528413 Jul 02, 2014 Jun 30, 2014 0.528413 Jul 01, 2014 Aug 29, 2014 0.528413 Jul 02, 2014 Jun 30, 2014 0.528413 Dec 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2015 Apr 30, 2015 0.528413 Dec 01, 2015 Mar 31, 2015 0.528413	Jan 03, 2012	Jan 31, 2012	0.540363
Apr 02, 2012 Apr 30, 2012 0.531167 May 01, 2012 May 31, 2012 0.530200 Jun 01, 2012 Jun 29, 2012 0.529028 Jul 02, 2012 Jul 31, 2012 0.528603 Aug 01, 2012 Aug 31, 2012 0.528413 Sep 04, 2012 Sep 28, 2012 0.528413 Oct 01, 2012 Nov 30, 2012 0.528413 Dec 03, 2012 Dec 31, 2012 0.528413 Feb 01, 2013 Feb 28, 2013 0.528413 Apr 01, 2013 Mar 29, 2013 0.528413 Apr 01, 2013 May 31, 2013 0.528413 Jun 03, 2013 May 31, 2013 0.528413 Jun 03, 2013 May 31, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jul 01, 2013 May 31, 2013 0.528413 Jul 01, 2013 May 31, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jul 01, 2013 Jul 31, 2013 0.528413 Jul 01, 2013 Jul 31, 2013 0.528413 Aug 01, 2013 Jul 31, 2013 0.528413 Aug 01, 2013 Aug 30, 2013 0.528413 Oct 01, 2013 Aug 30, 2013 0.528413 Oct 01, 2013 Oct 31, 2013 0.528413 Dec 02, 2013 Dec 31, 2013 0.528413 Dec 02, 2014 Jan 31, 2014 0.528413 Apr 01, 2014 Apr 30, 2014 0.528413 May 01, 2014 May 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 May 01, 2014 May 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Aug 01, 2014 Apr 30, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2015 Mar 31, 2015 0.528413	Feb 01, 2012	Feb 29, 2012	0.536645
May 01, 2012 May 31, 2012 0.530200 Jun 01, 2012 Jun 29, 2012 0.529028 Jul 02, 2012 Jul 31, 2012 0.528603 Aug 01, 2012 Aug 31, 2012 0.528603 Aug 01, 2012 Sep 28, 2012 0.528413 Sep 04, 2012 Oct 31, 2012 0.528413 Nov 01, 2012 Nov 30, 2012 0.528413 Dec 03, 2012 Dec 31, 2012 0.528413 Jan 02, 2013 Jan 31, 2013 0.528413 Mar 01, 2013 Feb 28, 2013 0.528413 Apr 01, 2013 Mar 29, 2013 0.528413 Apr 01, 2013 May 31, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jul 01, 2013 Jun 28, 2013 0.528413 Jul 01, 2013 Jun 28, 2013 0.528413 Jul 01, 2013 Jun 28, 2013 0.528413 Aug 01, 2013 Jun 28, 2013 0.528413 Oct 01, 2013 Aug 30, 2013 0.528413 Oct 01, 2013 Aug 30, 2013 0.528413 Oct 01, 2013 Oct 31, 2013 0.528413 Nov 01, 2013 Nov 29, 2013 0.528413 Dec 02, 2013 Dec 31, 2013 0.528413 Dec 02, 2014 Jan 31, 2014 0.528413 Jan 02, 2014 Feb 28, 2014 0.528413 Mar 03, 2014 Mar 31, 2014 0.528413 Mar 03, 2014 Mar 31, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Oct 31, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2015 Mar 31, 2015 0.528413	Mar 01, 2012	Mar 30, 2012	0.534181
Jun 01, 2012 Jun 29, 2012 0.529028 Jul 02, 2012 Jul 31, 2012 0.528603 Aug 01, 2012 Aug 31, 2012 0.528413 Sep 04, 2012 Sep 28, 2012 0.528413 Oct 01, 2012 Nov 30, 2012 0.528413 Dec 03, 2012 Dec 31, 2012 0.528413 Jan 02, 2013 Jan 31, 2013 0.528413 Mar 01, 2013 Mar 29, 2013 0.528413 Apr 01, 2013 May 31, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jul 01, 2013 Jun 28, 2013 0.528413 Jul 01, 2013 Jun 28, 2013 0.528413 Aug 01, 2013 Jun 28, 2013 0.528413 Oct 01, 2013 Jun 28, 2013 0.528413 Aug 01, 2013 Jun 28, 2013 0.528413 Oct 01, 2013 Jun 28, 2013 0.528413 Oct 01, 2013 Aug 30, 2013 0.528413 Oct 01, 2013 Nov 29, 2013 0.528413 Dec 02, 2014 Jan 31, 2014 0.528413 Jan 02, 2014 Jan 31, 2014 0.528413 Apr 01, 2014 Mar 31, 2014 0.528413 Mar 03, 2014 Mar 31, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Apr 01, 2014 May 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Oct 31, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Dec 31, 2015 0.528413 Dec 01, 2015 Mar 31, 2015 0.528413	Apr 02, 2012	Apr 30, 2012	0.531167
Jul 02, 2012 Jul 31, 2012 0.528603 Aug 01, 2012 Aug 31, 2012 0.528413 Sep 04, 2012 Sep 28, 2012 0.528413 Oct 01, 2012 Nov 30, 2012 0.528413 Dec 03, 2012 Dec 31, 2012 0.528413 Jan 02, 2013 Jan 31, 2013 0.528413 Mar 01, 2013 Mar 29, 2013 0.528413 Jul 03, 2013 Jul 31, 2013 0.528413 Jul 03, 2013 Jul 31, 2013 0.528413 Jul 01, 2013 May 31, 2013 0.528413 Jul 01, 2013 May 31, 2013 0.528413 Jul 01, 2013 May 31, 2013 0.528413 Jul 01, 2013 Jul 31, 2013 0.528413 Aug 01, 2013 Jul 31, 2013 0.528413 Aug 01, 2013 Jul 31, 2013 0.528413 Aug 01, 2013 Jul 31, 2013 0.528413 Sep 03, 2013 Sep 30, 2013 0.528413 Oct 01, 2013 Oct 31, 2013 0.528413 Dec 02, 2013 Dec 31, 2013 0.528413 Jan 02, 2014 Jan 31, 2014 0.528413 Mar 03, 2014 Feb 28, 2014 0.528413 May 01, 2014 May 30, 2014 0.528413 Jul 02, 2014 Jun 30, 2014 0.528413 Jul 02, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Dec 31, 2015 0.528413 Dec 01, 2015 Mar 31, 2015 0.528413	May 01, 2012	May 31, 2012	0.530200
Aug 01, 2012 Aug 31, 2012 0.528413 Sep 04, 2012 Sep 28, 2012 0.528413 Oct 01, 2012 Nov 30, 2012 0.528413 Dec 03, 2012 Dec 31, 2012 0.528413 Jan 02, 2013 Jan 31, 2013 0.528413 Apr 01, 2013 May 31, 2013 0.528413 Jul 01, 2013 Jul 31, 2013 0.528413 Jul 01, 2013 May 31, 2013 0.528413 Jul 02, 2013 Jul 31, 2013 0.528413 Apr 01, 2013 May 31, 2013 0.528413 Jul 03, 2013 Jul 28, 2013 0.528413 Jul 04, 2013 Jul 31, 2013 0.528413 Aug 01, 2013 Jul 31, 2013 0.528413 Aug 01, 2013 Aug 30, 2013 0.528413 Sep 03, 2013 Sep 30, 2013 0.528413 Oct 01, 2013 Nov 29, 2013 0.528413 Nov 01, 2013 Dec 31, 2013 0.528413 Dec 02, 2014 Jan 31, 2014 0.528413 Mar 03, 2014 Feb 28, 2014 0.528413 May 01, 2014 Apr 30, 2014 0.528413 Jul 02, 2014 Jul 31, 2014 0.528413 May 01, 2014 May 30, 2014 0.528413 Jul 02, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 May 30, 2014 0.528413 Jul 02, 2014 Jul 30, 2014 0.528413 Apr 01, 2014 Apr 30, 2014 0.528413 Jul 02, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Aug 01, 2014 Sep 30, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Aug 01, 2014 Jul 31, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Aug 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2014 Dec 31, 2015 0.528413 Dec 01, 2015 Apr 30, 2015 0.528413 Dec 01, 2015 Apr 30, 2015 0.528413 Dec 01, 2015 May 02, 2015 0.528413	Jun 01, 2012	Jun 29, 2012	0.529028
Sep 04, 2012 Sep 28, 2012 0.528413 Oct 01, 2012 Oct 31, 2012 0.528413 Nov 01, 2012 Nov 30, 2012 0.528413 Dec 03, 2012 Dec 31, 2012 0.528413 Jan 02, 2013 Jan 31, 2013 0.528413 Feb 01, 2013 Feb 28, 2013 0.528413 Mar 01, 2013 Mar 29, 2013 0.528413 Apr 01, 2013 Apr 30, 2013 0.528413 May 01, 2013 May 31, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jul 01, 2013 Jul 31, 2013 0.528413 Aug 01, 2013 Aug 30, 2013 0.528413 Sep 03, 2013 Sep 30, 2013 0.528413 Oct 01, 2013 Oct 31, 2013 0.528413 Nov 01, 2013 Nov 29, 2013 0.528413 Dec 02, 2013 Dec 31, 2013 0.528413 Jan 02, 2014 Jan 31, 2014 0.528413 Jan 02, 2014 Jan 31, 2014 0.528413 Mar 03, 2014 Mar 31, 2014 0.528413 May 01, 2014 <t< td=""><td>Jul 02, 2012</td><td>Jul 31, 2012</td><td>0.528603</td></t<>	Jul 02, 2012	Jul 31, 2012	0.528603
Oct 01, 2012 Oct 31, 2012 0.528413 Nov 01, 2012 Nov 30, 2012 0.528413 Dec 03, 2012 Dec 31, 2012 0.528413 Jan 02, 2013 Jan 31, 2013 0.528413 Feb 01, 2013 Feb 28, 2013 0.528413 Mar 01, 2013 Mar 29, 2013 0.528413 Apr 01, 2013 May 31, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jul 01, 2013 Jul 31, 2013 0.528413 Jul 01, 2013 Jul 31, 2013 0.528413 Aug 01, 2013 Aug 30, 2013 0.528413 Sep 03, 2013 Oct 31, 2013 0.528413 Oct 01, 2013 Oct 31, 2013 0.528413 Nov 01, 2013 Nov 29, 2013 0.528413 Dec 02, 2013 Dec 31, 2013 0.528413 Jan 02, 2014 Jan 31, 2014 0.528413 Mar 03, 2014 Feb 28, 2014 0.528413 Mar 03, 2014 Mar 31, 2014 0.528413 May 01, 2014 Apr 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Apr 01, 2014 May 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Dec 01, 2014 Oct 31, 2014 0.528413 Nov 03, 2014 Nov 28, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2015 Mar 31, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Mar 01, 2015 May 29, 2015 0.528413	Aug 01, 2012	Aug 31, 2012	0.528413
Nov 01, 2012 Nov 30, 2012 0.528413 Dec 03, 2012 Dec 31, 2012 0.528413 Jan 02, 2013 Jan 31, 2013 0.528413 Feb 01, 2013 Feb 28, 2013 0.528413 Mar 01, 2013 Mar 29, 2013 0.528413 Apr 01, 2013 Apr 30, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jul 01, 2013 May 31, 2013 0.528413 Jul 01, 2013 Jul 31, 2013 0.528413 Aug 01, 2013 Aug 30, 2013 0.528413 Sep 03, 2013 0.528413 Oct 01, 2013 Oct 31, 2013 0.528413 Nov 01, 2013 Nov 29, 2013 0.528413 Dec 02, 2013 Dec 31, 2013 0.528413 Jan 02, 2014 Jan 31, 2014 0.528413 Feb 03, 2014 Feb 28, 2014 0.528413 Mar 03, 2014 Mar 31, 2014 0.528413 Mar 01, 2014 Apr 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Dec 01, 2014 Jul 31, 2014 0.528413 Dec 02, 2015 Jan 30, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2015 Mar 31, 2015 0.528413 Dec 01, 2015 Mar 20, 2015 0.528413 Dec 01, 2015 Mar 2015 0.528413 Dec 01, 2015 Mar 20, 2015 0.52841	Sep 04, 2012	Sep 28, 2012	0.528413
Dec 03, 2012 Dec 31, 2012 0.528413 Jan 02, 2013 Jan 31, 2013 0.528413 Feb 01, 2013 Feb 28, 2013 0.528413 Mar 01, 2013 Mar 29, 2013 0.528413 Apr 01, 2013 Apr 30, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jul 01, 2013 Jul 31, 2013 0.528413 Aug 01, 2013 Aug 30, 2013 0.528413 Sep 03, 2013 O.528413 Oct 01, 2013 Aug 30, 2013 0.528413 Nov 01, 2013 Aug 30, 2013 0.528413 Dec 02, 2013 Oct 31, 2013 0.528413 Nov 01, 2013 Nov 29, 2013 0.528413 Dec 02, 2013 Dec 31, 2013 0.528413 Jan 02, 2014 Jan 31, 2014 0.528413 Mar 03, 2014 Feb 28, 2014 0.528413 Mar 03, 2014 Mar 31, 2014 0.528413 Apr 01, 2014 Apr 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Dec 01, 2014 Aug 29, 2014 0.528413 Nov 03, 2014 Oct 31, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Peb 02, 2015 Feb 27, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Oct 01, 2012	Oct 31, 2012	0.528413
Jan 02, 2013 Jan 31, 2013 0.528413 Feb 01, 2013 Feb 28, 2013 0.528413 Mar 01, 2013 Mar 29, 2013 0.528413 Apr 01, 2013 Apr 30, 2013 0.528413 Jun 03, 2013 Jun 28, 2013 0.528413 Jul 01, 2013 Aug 30, 2013 0.528413 Aug 01, 2013 Aug 30, 2013 0.528413 Sep 03, 2013 Sep 30, 2013 0.528413 Nov 01, 2013 Nov 29, 2013 0.528413 Dec 02, 2013 Dec 31, 2013 0.528413 Jan 02, 2014 Jan 31, 2014 0.528413 Mar 03, 2014 Mar 31, 2014 0.528413 May 01, 2014 May 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jun 02, 2014 Sep 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jun 02, 2014 Sep 30, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Sep 02, 2014 Sep 30, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2015 Jan 30, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Mar 01, 2015 Mar 31, 2015 0.528413 Mar 01, 2015 Mar 31, 2015 0.528413	Nov 01, 2012	Nov 30, 2012	0.528413
Feb 01, 2013 Feb 28, 2013 0.528413 Mar 01, 2013 Mar 29, 2013 0.528413 Apr 01, 2013 Apr 30, 2013 0.528413 May 01, 2013 May 31, 2013 0.528413 Jul 03, 2013 Jul 28, 2013 0.528413 Aug 01, 2013 Aug 30, 2013 0.528413 Aug 01, 2013 Aug 30, 2013 0.528413 Sep 03, 2013 Sep 30, 2013 0.528413 Oct 01, 2013 Oct 31, 2013 0.528413 Nov 01, 2013 Nov 29, 2013 0.528413 Dec 02, 2013 Dec 31, 2013 0.528413 Jan 02, 2014 Jan 31, 2014 0.528413 Mar 03, 2014 Feb 28, 2014 0.528413 Mar 03, 2014 Mar 31, 2014 0.528413 May 01, 2014 May 30, 2014 0.528413 Jul 02, 2014 Jul 30, 2014 0.528413 Jul 02, 2014 Jul 30, 2014 0.528413 Jul 02, 2014 Jul 30, 2014 0.528413 Apr 01, 2014 Apr 30, 2014 0.528413 Jul 01, 2014 Jul 31, 2014 0.528413 Jul 02, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Sep 02, 2014 Sep 30, 2014 0.528413 Nov 03, 2014 Nov 28, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Feb 02, 2015 Feb 27, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 May 01, 2015 Mary 29, 2015 0.528413	Dec 03, 2012	Dec 31, 2012	0.528413
Mar 01, 2013	Jan 02, 2013	Jan 31, 2013	0.528413
Apr 01, 2013	Feb 01, 2013	Feb 28, 2013	0.528413
May 01, 2013	Mar 01, 2013	Mar 29, 2013	0.528413
Jun 03, 2013 Jun 28, 2013 O.528413 Jul 01, 2013 Aug 30, 2013 O.528413 Sep 03, 2013 Oct 01, 2013 Nov 29, 2013 Dec 02, 2013 Dec 31, 2014 Feb 28, 2014 Apr 01, 2014 Apr 01, 2014 Aug 01, 2014 Aug 30, 2014 Jun 30, 2014 Aug 29, 2014 Jun 30, 2014 Aug 29, 2014 Dec 02, 2014 Aug 01, 2014 Aug 29, 2014 Dec 03, 2014 Aug 29, 2014 Dec 04, 2014 Aug 29, 2014 Dec 0528413 Aug 01, 2014 Aug 29, 2014 Dec 01, 2014 Aug 29, 2014 Dec 31, 2014 O.528413 Dec 01, 2014 Dec 31, 2014 O.528413 Dec 01, 2014 Dec 31, 2015 Dec 328413 Apr 01, 2015 Apr 30, 2015 Dec 328413 Apr 01, 2015 Apr 30, 2015 Dec 328413 May 01, 2015 May 29, 2015 D.528413 May 01, 2015 May 29, 2015 D.528413	Apr 01, 2013	Apr 30, 2013	0.528413
Jul 01, 2013 Jul 31, 2013 0.528413 Aug 01, 2013 Aug 30, 2013 0.528413 Sep 03, 2013 Sep 30, 2013 0.528413 Oct 01, 2013 Oct 31, 2013 0.528413 Dec 02, 2013 Dec 31, 2013 0.528413 Jan 02, 2014 Jan 31, 2014 0.528413 Mar 03, 2014 Feb 28, 2014 0.528413 Mar 03, 2014 Mar 31, 2014 0.528413 May 01, 2014 Jul 30, 2014 0.528413 Jul 02, 2014 Jun 30, 2014 0.528413 Jul 01, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Jul 31, 2014 0.528413 Oct 01, 2014 Sep 30, 2014 0.528413 Oct 01, 2014 Oct 31, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Jan 02, 2015 Jan 30, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	May 01, 2013	May 31, 2013	0.528413
Aug 01, 2013	Jun 03, 2013	Jun 28, 2013	0.528413
Sep 03, 2013 Sep 30, 2013 0.528413 Oct 01, 2013 Oct 31, 2013 0.528413 Dec 02, 2013 Dec 31, 2013 0.528413 Jan 02, 2014 Jan 31, 2014 0.528413 Mar 03, 2014 Feb 28, 2014 0.528413 Apr 01, 2014 Apr 30, 2014 0.528413 Jul 02, 2014 Jul 31, 2014 0.528413 Jul 01, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Sep 02, 2014 Sep 30, 2014 0.528413 Oct 01, 2014 Oct 31, 2014 0.528413 Nov 03, 2014 Oct 31, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Dec 01, 2014 Oct 31, 2014 0.528413 Feb 02, 2015 Feb 27, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Jul 01, 2013	Jul 31, 2013	0.528413
Oct 01, 2013 Oct 31, 2013 0.528413 Nov 01, 2013 Nov 29, 2013 0.528413 Dec 02, 2013 Dec 31, 2013 0.528413 Jan 02, 2014 Jan 31, 2014 0.528413 Mar 03, 2014 Feb 28, 2014 0.528413 Apr 01, 2014 Apr 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jul 01, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Sep 02, 2014 Sep 30, 2014 0.528413 Oct 01, 2014 Oct 31, 2014 0.528413 Nov 03, 2014 Oct 31, 2014 0.528413 Nov 03, 2014 Dec 31, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Feb 02, 2015 Jan 30, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 May 01, 2015 Mar 30, 2015 0.528413 May 01, 2015 Mar 30, 2015 0.528413 May 01, 2015 Mar 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Aug 01, 2013	Aug 30, 2013	0.528413
Nov 01, 2013 Nov 29, 2013 0.528413 Dec 02, 2013 Dec 31, 2013 0.528413 Jan 02, 2014 Jan 31, 2014 0.528413 Feb 03, 2014 Feb 28, 2014 0.528413 Mar 03, 2014 Mar 31, 2014 0.528413 Apr 01, 2014 Apr 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jul 01, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Sep 02, 2014 Sep 30, 2014 0.528413 Oct 01, 2014 Oct 31, 2014 0.528413 Nov 03, 2014 Nov 28, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Jan 02, 2015 Jan 30, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Sep 03, 2013	Sep 30, 2013	0.528413
Dec 02, 2013 Dec 31, 2013 0.528413 Jan 02, 2014 Jan 31, 2014 0.528413 Feb 03, 2014 Feb 28, 2014 0.528413 Mar 03, 2014 Mar 31, 2014 0.528413 Apr 01, 2014 Apr 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jul 01, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Sep 02, 2014 Sep 30, 2014 0.528413 Oct 01, 2014 Oct 31, 2014 0.528413 Nov 03, 2014 Nov 28, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Jan 02, 2015 Jan 30, 2015 0.528413 Mar 02, 2015 Feb 27, 2015 0.528413 May 01, 2015 Apr 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Oct 01, 2013	Oct 31, 2013	0.528413
Jan 02, 2014 Jan 31, 2014 0.528413 Feb 03, 2014 Feb 28, 2014 0.528413 Mar 03, 2014 Mar 31, 2014 0.528413 Apr 01, 2014 Apr 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jul 01, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Sep 02, 2014 Sep 30, 2014 0.528413 Oct 01, 2014 Oct 31, 2014 0.528413 Nov 03, 2014 Nov 28, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Jan 02, 2015 Jan 30, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 May 01, 2015 Apr 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Nov 01, 2013	Nov 29, 2013	0.528413
Feb 03, 2014 Feb 28, 2014 0.528413 Mar 03, 2014 Apr 30, 2014 0.528413 Apr 01, 2014 Apr 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jul 01, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Sep 02, 2014 Sep 30, 2014 0.528413 Oct 01, 2014 Oct 31, 2014 0.528413 Nov 03, 2014 Nov 28, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Jan 02, 2015 Jan 30, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 May 01, 2015 Apr 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Dec 02, 2013	Dec 31, 2013	0.528413
Mar 03, 2014 Mar 31, 2014 0.528413 Apr 01, 2014 Apr 30, 2014 0.528413 May 01, 2014 May 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jul 01, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Sep 02, 2014 Sep 30, 2014 0.528413 Oct 01, 2014 Oct 31, 2014 0.528413 Nov 03, 2014 Nov 28, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Jan 02, 2015 Jan 30, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Apr 01, 2015 Apr 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Jan 02, 2014	Jan 31, 2014	0.528413
Apr 01, 2014	Feb 03, 2014	Feb 28, 2014	0.528413
May 01, 2014 May 30, 2014 0.528413 Jun 02, 2014 Jun 30, 2014 0.528413 Jul 01, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Sep 02, 2014 Sep 30, 2014 0.528413 Oct 01, 2014 Oct 31, 2014 0.528413 Nov 03, 2014 Nov 28, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Jan 02, 2015 Jan 30, 2015 0.528413 Feb 02, 2015 Feb 27, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Apr 01, 2015 Apr 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Mar 03, 2014	Mar 31, 2014	0.528413
Jun 02, 2014 Jun 30, 2014 0.528413 Jul 01, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Aug 29, 2014 0.528413 Sep 02, 2014 Sep 30, 2014 0.528413 Oct 01, 2014 Oct 31, 2014 0.528413 Nov 03, 2014 Nov 28, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Jan 02, 2015 Jan 30, 2015 0.528413 Feb 02, 2015 Feb 27, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Apr 01, 2015 Apr 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Apr 01, 2014	Apr 30, 2014	0.528413
Jul 01, 2014 Jul 31, 2014 0.528413 Aug 01, 2014 Sep 30, 2014 0.528413 Oct 01, 2014 Oct 31, 2014 0.528413 Nov 03, 2014 Nov 28, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Jan 02, 2015 Jan 30, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Apr 01, 2015 Apr 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	May 01, 2014	May 30, 2014	0.528413
Aug 01, 2014 Aug 29, 2014 0.528413 Sep 02, 2014 Sep 30, 2014 0.528413 Oct 01, 2014 Oct 31, 2014 0.528413 Nov 03, 2014 Nov 28, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Jan 02, 2015 Jan 30, 2015 0.528413 Feb 02, 2015 Feb 27, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Apr 01, 2015 Apr 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Jun 02, 2014	Jun 30, 2014	0.528413
Sep 02, 2014 Sep 30, 2014 0.528413 Oct 01, 2014 Oct 31, 2014 0.528413 Nov 03, 2014 Nov 28, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Jan 02, 2015 Jan 30, 2015 0.528413 Feb 02, 2015 Feb 27, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Apr 01, 2015 Apr 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Jul 01, 2014	Jul 31, 2014	0.528413
Oct 01, 2014 Oct 31, 2014 0.528413 Nov 03, 2014 Nov 28, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Jan 02, 2015 Jan 30, 2015 0.528413 Feb 02, 2015 Feb 27, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Apr 01, 2015 Apr 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Aug 01, 2014	Aug 29, 2014	0.528413
Nov 03, 2014 Nov 28, 2014 0.528413 Dec 01, 2014 Dec 31, 2014 0.528413 Jan 02, 2015 Jan 30, 2015 0.528413 Feb 02, 2015 Feb 27, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Apr 01, 2015 Apr 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Sep 02, 2014	Sep 30, 2014	0.528413
Dec 01, 2014 Dec 31, 2014 0.528413 Jan 02, 2015 Jan 30, 2015 0.528413 Feb 02, 2015 Feb 27, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Apr 01, 2015 Apr 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Oct 01, 2014	Oct 31, 2014	0.528413
Jan 02, 2015 Jan 30, 2015 0.528413 Feb 02, 2015 Feb 27, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Apr 01, 2015 Apr 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Nov 03, 2014	Nov 28, 2014	0.528413
Feb 02, 2015 Feb 27, 2015 0.528413 Mar 02, 2015 Mar 31, 2015 0.528413 Apr 01, 2015 Apr 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Dec 01, 2014	Dec 31, 2014	0.528413
Mar 02, 2015 Mar 31, 2015 0.528413 Apr 01, 2015 Apr 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Jan 02, 2015	Jan 30, 2015	0.528413
Apr 01, 2015 Apr 30, 2015 0.528413 May 01, 2015 May 29, 2015 0.528413	Feb 02, 2015	Feb 27, 2015	0.528413
May 01, 2015 May 29, 2015 0.528413	Mar 02, 2015	Mar 31, 2015	0.528413
Lun 01 2015	Apr 01, 2015	Apr 30, 2015	0.528413
Jun 01, 2015 0.528413	May 01, 2015	May 29, 2015	0.528413
	Jun 01, 2015		0.528413

B1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Apr 30, 2007	1.000000
May 01, 2007	May 31, 2007	0.999866
Jun 01, 2007	Jun 29, 2007	0.999732
Jul 02, 2007	Jul 31, 2007	0.999594
Aug 01, 2007	Aug 31, 2007	0.999454
Sep 04, 2007	Sep 28, 2007	0.999312
Oct 01, 2007	Oct 31, 2007	0.999171
Nov 01, 2007	Nov 30, 2007	0.999032
Dec 03, 2007	Dec 31, 2007	
Jan 02, 2008	Jan 31, 2008	0.998109
Feb 01, 2008	Feb 29, 2008	0.997967
Mar 03, 2008	Mar 31, 2008	0.997824
Apr 01, 2008	Apr 30, 2008	0.997679
May 01, 2008	May 30, 2008	0.997534
Jun 02, 2008	Jun 30, 2008	0.997388
	Jul 31, 2008	0.997241
Jul 01, 2008		0.997095
Aug 01, 2008	Aug 29, 2008	0.996947
Sep 02, 2008	Sep 30, 2008	0.996796
Oct 01, 2008	Oct 31, 2008	0.995766
Nov 03, 2008	Nov 28, 2008	0.995614
Dec 01, 2008	Dec 31, 2008	0.995461
Jan 02, 2009	Jan 30, 2009	0.995170
Feb 02, 2009	Feb 27, 2009	0.995014
Mar 02, 2009	Mar 31, 2009	0.994856
Apr 01, 2009	Apr 30, 2009	0.994699
May 01, 2009	May 29, 2009	0.994542
Jun 01, 2009	Jun 30, 2009	0.994381
Jul 01, 2009	Jul 31, 2009	0.994219
Aug 03, 2009	Aug 31, 2009	0.994056
Sep 01, 2009	Sep 30, 2009	0.993891
Oct 01, 2009	Oct 30, 2009	0.993727
Nov 02, 2009	Nov 30, 2009	0.993568
Dec 01, 2009	Dec 31, 2009	0.993408
Jan 04, 2010	Jan 29, 2010	0.993247
Feb 01, 2010	Feb 26, 2010	0.993085
Mar 01, 2010	Mar 31, 2010	0.992923
Apr 01, 2010	Apr 30, 2010	0.992759
May 03, 2010	May 28, 2010	0.992597
Jun 01, 2010	Jun 30, 2010	0.992433
Jul 01, 2010	Jul 30, 2010	0.992396
Aug 02, 2010	Aug 31, 2010	0.992396
Sep 01, 2010	Sep 30, 2010	0.992396
Oct 01, 2010	Oct 29, 2010	0.992396
Nov 01, 2010	Nov 30, 2010	0.992396
Dec 01, 2010	Dec 31, 2010	0.992396
Jan 03, 2011	Jan 31, 2011	0.992396
Feb 01, 2011	Feb 28, 2011	0.992396
Mar 01, 2011	Mar 31, 2011	0.992396
Apr 01, 2011	Apr 29, 2011	0.992396
May 02, 2011	May 31, 2011	0.992396
Jun 01, 2011	Jun 30, 2011	0.992396

B1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 01, 2011	Jul 29, 2011	0.992396
Aug 01, 2011	Aug 31, 2011	0.992396
Sep 01, 2011	Sep 30, 2011	0.992396
Oct 03, 2011	Oct 31, 2011	0.992396
Nov 01, 2011	Nov 30, 2011	0.992396
Dec 01, 2011	Dec 30, 2011	0.992396
Jan 03, 2012	Jan 31, 2012	0.992396
Feb 01, 2012	Feb 29, 2012	0.992396
Mar 01, 2012	Mar 30, 2012	0.992396
Apr 02, 2012	Apr 30, 2012	0.992396
May 01, 2012	May 31, 2012	0.992396
Jun 01, 2012	Jun 29, 2012	0.992396
Jul 02, 2012	Jul 31, 2012	0.992396
Aug 01, 2012	Aug 31, 2012	0.992396
Sep 04, 2012	Sep 28, 2012	0.992396
Oct 01, 2012	Oct 31, 2012	0.992396
Nov 01, 2012	Nov 30, 2012	0.992396
Dec 03, 2012	Dec 31, 2012	0.992396
Jan 02, 2013	Jan 31, 2013	0.992396
Feb 01, 2013	Feb 28, 2013	0.992396
Mar 01, 2013	Mar 29, 2013	0.992396
Apr 01, 2013	Apr 30, 2013	0.992396
May 01, 2013	May 31, 2013	0.992396
Jun 03, 2013	Jun 28, 2013	0.992396
Jul 01, 2013	Jul 31, 2013	0.992396
Aug 01, 2013	Aug 30, 2013	0.992396
Sep 03, 2013	Sep 30, 2013	0.992396
Oct 01, 2013	Oct 31, 2013	0.992396
Nov 01, 2013	Nov 29, 2013	0.992396
Dec 02, 2013	Dec 31, 2013	0.992396
Jan 02, 2014	Jan 31, 2014	0.992396
Feb 03, 2014	Feb 28, 2014	0.992396
Mar 03, 2014	Mar 31, 2014	0.992396
Apr 01, 2014	Apr 30, 2014	0.992396
May 01, 2014	May 30, 2014	0.992396
Jun 02, 2014	Jun 30, 2014	0.992396
Jul 01, 2014	Jul 31, 2014	0.992396
Aug 01, 2014	Aug 29, 2014	0.992396
Sep 02, 2014	Sep 30, 2014	0.992396
Oct 01, 2014	Oct 31, 2014	0.992396
Nov 03, 2014	Nov 28, 2014	0.992396
Dec 01, 2014	Dec 31, 2014	0.992396
Jan 02, 2015	Jan 30, 2015	0.992396
Feb 02, 2015	Feb 27, 2015	0.992396
Mar 02, 2015	Mar 31, 2015	0.992396
Apr 01, 2015	Apr 30, 2015	0.992396
May 01, 2015	May 29, 2015	0.992396
Jun 01, 2015		0.992396

B2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Apr 30, 2007	1.000000
May 01, 2007	May 31, 2007	0.999866
Jun 01, 2007	Jun 29, 2007	0.999732
Jul 02, 2007	Jul 31, 2007	0.999594
Aug 01, 2007	Aug 31, 2007	0.999454
Sep 04, 2007	Sep 28, 2007	0.999312
Oct 01, 2007	Oct 31, 2007	0.999171
Nov 01, 2007	Nov 30, 2007	0.999032
Dec 03, 2007	Dec 31, 2007	
Jan 02, 2008	Jan 31, 2008	0.998109
Feb 01, 2008	Feb 29, 2008	0.997967
Mar 03, 2008	Mar 31, 2008	0.997824
Apr 01, 2008	Apr 30, 2008	0.997679
May 01, 2008	May 30, 2008	0.997534
Jun 02, 2008	Jun 30, 2008	0.997388
Jul 01, 2008	Jul 31, 2008	0.997241
Aug 01, 2008		0.997095
	Aug 29, 2008	0.996947
Sep 02, 2008	Sep 30, 2008	0.996796
Oct 01, 2008	Oct 31, 2008	0.995766
Nov 03, 2008	Nov 28, 2008	0.995614
Dec 01, 2008	Dec 31, 2008	0.995461
Jan 02, 2009	Jan 30, 2009	0.995170
Feb 02, 2009	Feb 27, 2009	0.995014
Mar 02, 2009	Mar 31, 2009	0.994856
Apr 01, 2009	Apr 30, 2009	0.994699
May 01, 2009	May 29, 2009	0.994542
Jun 01, 2009	Jun 30, 2009	0.994381
Jul 01, 2009	Jul 31, 2009	0.994219
Aug 03, 2009	Aug 31, 2009	0.994056
Sep 01, 2009	Sep 30, 2009	0.993891
Oct 01, 2009	Oct 30, 2009	0.993727
Nov 02, 2009	Nov 30, 2009	0.993568
Dec 01, 2009	Dec 31, 2009	0.993408
Jan 04, 2010	Jan 29, 2010	0.993247
Feb 01, 2010	Feb 26, 2010	0.993247
Mar 01, 2010	Mar 31, 2010	0.993247
Apr 01, 2010	Apr 30, 2010	0.993247
May 03, 2010	May 28, 2010	0.993247
Jun 01, 2010	Jun 30, 2010	0.993247
Jul 01, 2010	Jul 30, 2010	0.993247
Aug 02, 2010	Aug 31, 2010	0.993247
Sep 01, 2010	Sep 30, 2010	0.993247
Oct 01, 2010	Oct 29, 2010	0.993247
Nov 01, 2010	Nov 30, 2010	0.993247
Dec 01, 2010	Dec 31, 2010	0.993247
Jan 03, 2011	Jan 31, 2011	0.993247
Feb 01, 2011	Feb 28, 2011	0.993247
Mar 01, 2011	Mar 31, 2011	0.993247
Apr 01, 2011	Apr 29, 2011	0.993247
May 02, 2011	May 31, 2011	0.993247
Jun 01, 2011	Jun 30, 2011	0.993247

B2 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 01, 2011	Jul 29, 2011	0.993247
Aug 01, 2011	Aug 31, 2011	0.993247
Sep 01, 2011	Sep 30, 2011	0.993247
Oct 03, 2011	Oct 31, 2011	0.993247
Nov 01, 2011	Nov 30, 2011	0.993247
Dec 01, 2011	Dec 30, 2011	0.993247
Jan 03, 2012	Jan 31, 2012	0.993247
Feb 01, 2012	Feb 29, 2012	0.993247
Mar 01, 2012	Mar 30, 2012	0.993247
Apr 02, 2012	Apr 30, 2012	0.993247
May 01, 2012	May 31, 2012	0.993247
Jun 01, 2012	Jun 29, 2012	0.993247
Jul 02, 2012	Jul 31, 2012	0.993247
Aug 01, 2012	Aug 31, 2012	0.993247
Sep 04, 2012	Sep 28, 2012	0.993247
Oct 01, 2012	Oct 31, 2012	0.993247
Nov 01, 2012	Nov 30, 2012	0.993247
Dec 03, 2012	Dec 31, 2012	0.993247
Jan 02, 2013	Jan 31, 2013	0.993247
Feb 01, 2013	Feb 28, 2013	0.993247
Mar 01, 2013	Mar 29, 2013	0.993247
Apr 01, 2013	Apr 30, 2013	0.993247
May 01, 2013	May 31, 2013	0.993247
Jun 03, 2013	Jun 28, 2013	0.993247
Jul 01, 2013	Jul 31, 2013	0.993247
Aug 01, 2013	Aug 30, 2013	0.993247
Sep 03, 2013	Sep 30, 2013	0.993247
Oct 01, 2013	Oct 31, 2013	0.993247
Nov 01, 2013	Nov 29, 2013	0.993247
Dec 02, 2013	Dec 31, 2013	0.993247
Jan 02, 2014	Jan 31, 2014	0.993247
Feb 03, 2014	Feb 28, 2014	0.993247
Mar 03, 2014	Mar 31, 2014	0.993247
Apr 01, 2014	Apr 30, 2014	0.993247
May 01, 2014	May 30, 2014	0.993247
Jun 02, 2014	Jun 30, 2014	0.993247
Jul 01, 2014	Jul 31, 2014	0.993247
Aug 01, 2014	Aug 29, 2014	0.993247
Sep 02, 2014	Sep 30, 2014	0.993247
Oct 01, 2014	Oct 31, 2014	0.993247
Nov 03, 2014	Nov 28, 2014	0.993247
Dec 01, 2014	Dec 31, 2014	0.993247
Jan 02, 2015	Jan 30, 2015	0.993247
Feb 02, 2015	Feb 27, 2015	0.993247
Mar 02, 2015	Mar 31, 2015	0.993247
Apr 01, 2015	Apr 30, 2015	0.993247
May 01, 2015	May 29, 2015	0.993247
Jun 01, 2015		0.993247

B3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Apr 30, 2007	1.000000
May 01, 2007	May 31, 2007	0.999866
Jun 01, 2007	Jun 29, 2007	0.999732
Jul 02, 2007	Jul 31, 2007	0.999594
Aug 01, 2007	Aug 31, 2007	0.999454
Sep 04, 2007	Sep 28, 2007	0.999312
Oct 01, 2007	Oct 31, 2007	0.999171
Nov 01, 2007	Nov 30, 2007	0.999032
Dec 03, 2007	Dec 31, 2007	
Jan 02, 2008	Jan 31, 2008	0.998109
Feb 01, 2008	Feb 29, 2008	0.997967
Mar 03, 2008	Mar 31, 2008	0.997824
Apr 01, 2008	Apr 30, 2008	0.997679
May 01, 2008	May 30, 2008	0.997534
Jun 02, 2008	Jun 30, 2008	0.997388
	Jul 31, 2008	0.997241
Jul 01, 2008		0.997095
Aug 01, 2008	Aug 29, 2008	0.996947
Sep 02, 2008	Sep 30, 2008	0.996796
Oct 01, 2008	Oct 31, 2008	0.995766
Nov 03, 2008	Nov 28, 2008	0.995614
Dec 01, 2008	Dec 31, 2008	0.995461
Jan 02, 2009	Jan 30, 2009	0.995170
Feb 02, 2009	Feb 27, 2009	0.995014
Mar 02, 2009	Mar 31, 2009	0.994856
Apr 01, 2009	Apr 30, 2009	0.994699
May 01, 2009	May 29, 2009	0.994542
Jun 01, 2009	Jun 30, 2009	0.994381
Jul 01, 2009	Jul 31, 2009	0.994268
Aug 03, 2009	Aug 31, 2009	0.994268
Sep 01, 2009	Sep 30, 2009	0.994268
Oct 01, 2009	Oct 30, 2009	0.994268
Nov 02, 2009	Nov 30, 2009	0.994268
Dec 01, 2009	Dec 31, 2009	0.994268
Jan 04, 2010	Jan 29, 2010	0.994268
Feb 01, 2010	Feb 26, 2010	0.994268
Mar 01, 2010	Mar 31, 2010	0.994268
Apr 01, 2010	Apr 30, 2010	0.994268
May 03, 2010	May 28, 2010	0.994268
Jun 01, 2010	Jun 30, 2010	0.994268
Jul 01, 2010	Jul 30, 2010	0.994268
Aug 02, 2010	Aug 31, 2010	0.994268
Sep 01, 2010	Sep 30, 2010	0.994268
Oct 01, 2010	Oct 29, 2010	0.994268
Nov 01, 2010	Nov 30, 2010	0.994268
Dec 01, 2010	Dec 31, 2010	0.994268
Jan 03, 2011	Jan 31, 2011	0.994268
Feb 01, 2011	Feb 28, 2011	0.994268
Mar 01, 2011	Mar 31, 2011	0.994268
Apr 01, 2011	Apr 29, 2011	0.994268
May 02, 2011	May 31, 2011	0.994268
Jun 01, 2011	Jun 30, 2011	0.994268

B3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 01, 2011	Jul 29, 2011	0.994268
Aug 01, 2011	Aug 31, 2011	0.994268
Sep 01, 2011	Sep 30, 2011	0.994268
Oct 03, 2011	Oct 31, 2011	0.994268
Nov 01, 2011	Nov 30, 2011	0.994268
Dec 01, 2011	Dec 30, 2011	0.994268
Jan 03, 2012	Jan 31, 2012	0.994268
Feb 01, 2012	Feb 29, 2012	0.994268
Mar 01, 2012	Mar 30, 2012	0.994268
Apr 02, 2012	Apr 30, 2012	0.994268
May 01, 2012	May 31, 2012	0.994268
Jun 01, 2012	Jun 29, 2012	0.994268
Jul 02, 2012	Jul 31, 2012	0.994268
Aug 01, 2012	Aug 31, 2012	0.994268
Sep 04, 2012	Sep 28, 2012	0.994268
Oct 01, 2012	Oct 31, 2012	0.994268
Nov 01, 2012	Nov 30, 2012	0.994268
Dec 03, 2012	Dec 31, 2012	0.994268
Jan 02, 2013	Jan 31, 2013	0.994268
Feb 01, 2013	Feb 28, 2013	0.994268
Mar 01, 2013	Mar 29, 2013	0.994268
Apr 01, 2013	Apr 30, 2013	0.994268
May 01, 2013	May 31, 2013	0.994268
Jun 03, 2013	Jun 28, 2013	0.994268
Jul 01, 2013	Jul 31, 2013	0.994268
Aug 01, 2013	Aug 30, 2013	0.994268
Sep 03, 2013	Sep 30, 2013	0.994268
Oct 01, 2013	Oct 31, 2013	0.994268
Nov 01, 2013	Nov 29, 2013	0.994268
Dec 02, 2013	Dec 31, 2013	0.994268
Jan 02, 2014	Jan 31, 2014	0.994268
Feb 03, 2014	Feb 28, 2014	0.994268
Mar 03, 2014	Mar 31, 2014	0.994268
Apr 01, 2014	Apr 30, 2014	0.994268
May 01, 2014	May 30, 2014	0.994268
Jun 02, 2014	Jun 30, 2014	0.994268
Jul 01, 2014	Jul 31, 2014	0.994268
Aug 01, 2014	Aug 29, 2014	0.994268
Sep 02, 2014	Sep 30, 2014	0.994268
Oct 01, 2014	Oct 31, 2014	0.994268
Nov 03, 2014	Nov 28, 2014	0.994268
Dec 01, 2014	Dec 31, 2014	0.994268
Jan 02, 2015	Jan 30, 2015	0.994268
Feb 02, 2015	Feb 27, 2015	0.994268
Mar 02, 2015	Mar 31, 2015	0.994268
Apr 01, 2015	Apr 30, 2015	0.994268
May 01, 2015	May 29, 2015	0.994268
Jun 01, 2015		0.994268

JP Morgan Mortgage Trust 2007-A3

2A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Apr 30, 2007	1.000000
May 01, 2007	May 31, 2007	0.995367
Jun 01, 2007	Jun 29, 2007	0.966757
Jul 02, 2007	Jul 31, 2007	0.952091
Aug 01, 2007	Aug 31, 2007	0.940727
Sep 04, 2007	Sep 28, 2007	0.936179
Oct 01, 2007	Oct 31, 2007	0.923910
Nov 01, 2007	Nov 30, 2007	0.918860
Dec 03, 2007	Dec 31, 2007	0.912691
Jan 02, 2008	Jan 31, 2008	0.883594
Feb 01, 2008	Feb 29, 2008	0.880371
Mar 03, 2008	Mar 31, 2008	0.837618
Apr 01, 2008	Apr 30, 2008	0.805378
May 01, 2008	May 30, 2008	0.781478
Jun 02, 2008	Jun 30, 2008	0.754468
Jul 01, 2008	Jul 31, 2008	
Aug 01, 2008	Aug 29, 2008	0.752637 0.746914
Sep 02, 2008	Sep 30, 2008	
Oct 01, 2008	Oct 31, 2008	0.714691
Nov 03, 2008	Nov 28, 2008	0.707580
Dec 01, 2008	Dec 31, 2008	0.691487
Jan 02, 2009	Jan 30, 2009	0.682106
Feb 02, 2009	Feb 27, 2009	0.675576
Mar 02, 2009	Mar 31, 2009	0.671269
Apr 01, 2009	Apr 30, 2009	0.661348
May 01, 2009	May 29, 2009	0.640566
Jun 01, 2009	Jun 30, 2009	0.627806
Jul 01, 2009	Jul 31, 2009	0.596992
Aug 03, 2009	Aug 31, 2009	0.581989
Sep 01, 2009	Sep 30, 2009	0.555159
Oct 01, 2009	Oct 30, 2009	0.535845
Nov 02, 2009	Nov 30, 2009	0.507177 0.492940
Dec 01, 2009	Dec 31, 2009	0.492849
Jan 04, 2010	Jan 29, 2010	0.477581
Feb 01, 2010	Feb 26, 2010	0.461711
Mar 01, 2010	Mar 31, 2010	0.450777
Apr 01, 2010	Apr 30, 2010	0.441172
May 03, 2010	May 28, 2010	0.416204
Jun 01, 2010	Jun 30, 2010	0.415999
Jul 01, 2010	Jul 30, 2010	0.368432
Aug 02, 2010	Aug 31, 2010	0.362453
Sep 01, 2010	Sep 30, 2010	0.325593
Oct 01, 2010	Oct 29, 2010	0.316853
Nov 01, 2010	Nov 30, 2010	0.303483
Dec 01, 2010	Dec 31, 2010	0.286183
Jan 03, 2011	Jan 31, 2011	0.258970
Feb 01, 2011	Feb 28, 2011	0.236463
Mar 01, 2011	Mar 31, 2011	0.219043
Apr 01, 2011	Apr 29, 2011	0.193670
May 02, 2011	May 31, 2011	0.184676
Jun 01, 2011	Jun 30, 2011	0.170540
·		

2A1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 01, 2011	Jul 29, 2011	0.148912
Aug 01, 2011	Aug 31, 2011	0.148320
Sep 01, 2011	Sep 30, 2011	0.144277
Oct 03, 2011	Oct 31, 2011	0.140893
Nov 01, 2011	Nov 30, 2011	0.140480
Dec 01, 2011	Dec 30, 2011	0.138533
Jan 03, 2012	Jan 31, 2012	0.137566
Feb 01, 2012	Feb 29, 2012	0.136060
Mar 01, 2012	Mar 30, 2012	0.134710
Apr 02, 2012	Apr 30, 2012	0.132598
May 01, 2012	May 31, 2012	0.131490
Jun 01, 2012	Jun 29, 2012	0.128598
Jul 02, 2012	Jul 31, 2012	0.126437
Aug 01, 2012	Aug 31, 2012	0.124246
Sep 04, 2012	Sep 28, 2012	0.122605
Oct 01, 2012	Oct 31, 2012	0.120003
Nov 01, 2012	Nov 30, 2012	0.118794
Dec 03, 2012	Dec 31, 2012	0.117407
Jan 02, 2013	Jan 31, 2013	0.115449
Feb 01, 2013	Feb 28, 2013	0.113611
Mar 01, 2013	Mar 29, 2013	0.112216
Apr 01, 2013	Apr 30, 2013	0.110672
May 01, 2013	May 31, 2013	0.109468
Jun 03, 2013	Jun 28, 2013	0.107046
Jul 01, 2013	Jul 31, 2013	0.105082
Aug 01, 2013	Aug 30, 2013	0.102736
Sep 03, 2013	Sep 30, 2013	0.100679
Oct 01, 2013	Oct 31, 2013	0.099330
Nov 01, 2013	Nov 29, 2013	0.098235
Dec 02, 2013	Dec 31, 2013	0.096427
Jan 02, 2014	Jan 31, 2014	0.093872
Feb 03, 2014	Feb 28, 2014	0.093399
Mar 03, 2014	Mar 31, 2014	0.091580
Apr 01, 2014	Apr 30, 2014	0.089854
May 01, 2014	May 30, 2014	0.088953
Jun 02, 2014	Jun 30, 2014	0.087547
Jul 01, 2014	Jul 31, 2014	0.086349
Aug 01, 2014	Aug 29, 2014	0.086070
Sep 02, 2014	Sep 30, 2014	0.085164
Oct 01, 2014	Oct 31, 2014	0.084739
Nov 03, 2014	Nov 28, 2014	0.084186
Dec 01, 2014	Dec 31, 2014	0.083911
Jan 02, 2015	Jan 30, 2015	0.082469
Feb 02, 2015	Feb 27, 2015	0.082389
Mar 02, 2015	Mar 31, 2015	0.082273
Apr 01, 2015	Apr 30, 2015	0.080837
May 01, 2015	May 29, 2015	0.080205
Jun 01, 2015		0.078950

JP Morgan Mortgage Trust 2007-A3

2A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Apr 30, 2007	1.000000
May 01, 2007	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
	Jul 31, 2008	1.000000
Jul 01, 2008		1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000

JP Morgan Mortgage Trust 2007-A3

2A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000
Sep 01, 2011	Sep 30, 2011	0.972742
Oct 03, 2011	Oct 31, 2011	0.949928
Nov 01, 2011	Nov 30, 2011	0.947143
Dec 01, 2011	Dec 30, 2011	0.934011
Jan 03, 2012	Jan 31, 2012	0.927491
Feb 01, 2012	Feb 29, 2012	0.917337
Mar 01, 2012	Mar 30, 2012	0.908237
Apr 02, 2012	Apr 30, 2012	0.894001
May 01, 2012	May 31, 2012	0.886530
Jun 01, 2012	Jun 29, 2012	0.867029
Jul 02, 2012	Jul 31, 2012	0.852463
Aug 01, 2012	Aug 31, 2012	0.837690
Sep 04, 2012	Sep 28, 2012	0.826622
Oct 01, 2012	Oct 31, 2012	0.809078
Nov 01, 2012	Nov 30, 2012	0.800926
Dec 03, 2012	Dec 31, 2012	0.791578
Jan 02, 2013	Jan 31, 2013	0.778377
Feb 01, 2013	Feb 28, 2013	0.765987
Mar 01, 2013	Mar 29, 2013	0.756581
Apr 01, 2013	Apr 30, 2013	0.746170
May 01, 2013	May 31, 2013	0.738050
Jun 03, 2013	Jun 28, 2013	0.721725
Jul 01, 2013	Jul 31, 2013	0.708481
Aug 01, 2013	Aug 30, 2013	0.692663
Sep 03, 2013	Sep 30, 2013	0.678796
Oct 01, 2013	Oct 31, 2013	0.669699
Nov 01, 2013	Nov 29, 2013	0.662315
Dec 02, 2013	Dec 31, 2013	0.650126
Jan 02, 2014	Jan 31, 2014	0.632903
Feb 03, 2014	Feb 28, 2014	0.629712
Mar 03, 2014	Mar 31, 2014	0.617446
Apr 01, 2014	Apr 30, 2014	0.605808
May 01, 2014	May 30, 2014	0.599737
Jun 02, 2014	Jun 30, 2014	0.590257
Jul 01, 2014	Jul 31, 2014	0.582178
Aug 01, 2014	Aug 29, 2014	0.580298
Sep 02, 2014	Sep 30, 2014	0.574189
Oct 01, 2014	Oct 31, 2014	0.571328
Nov 03, 2014	Nov 28, 2014	0.567595
Dec 01, 2014	Dec 31, 2014	0.565740
Jan 02, 2015	Jan 30, 2015	0.556022
Feb 02, 2015	Feb 27, 2015	0.555481
Mar 02, 2015	Mar 31, 2015	0.554700
Apr 01, 2015	Apr 30, 2015	0.545020
May 01, 2015	May 29, 2015	0.540757
Jun 01, 2015		0.532296

JP Morgan Mortgage Trust 2007-A3

2A3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Apr 30, 2007	1.000000
May 01, 2007	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
	*	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
	7011 JU, 2011	1.000000

JP Morgan Mortgage Trust 2007-A3

2A3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000
Sep 01, 2011	Sep 30, 2011	0.972742
Oct 03, 2011	Oct 31, 2011	0.949928
Nov 01, 2011	Nov 30, 2011	0.947143
Dec 01, 2011	Dec 30, 2011	0.934011
Jan 03, 2012	Jan 31, 2012	0.927491
Feb 01, 2012	Feb 29, 2012	0.917337
Mar 01, 2012	Mar 30, 2012	0.908237
Apr 02, 2012	Apr 30, 2012	0.894001
May 01, 2012	May 31, 2012	0.886530
Jun 01, 2012	Jun 29, 2012	0.867029
Jul 02, 2012	Jul 31, 2012	0.852463
Aug 01, 2012	Aug 31, 2012	0.837690
Sep 04, 2012	Sep 28, 2012	0.826622
Oct 01, 2012	Oct 31, 2012	0.809078
Nov 01, 2012	Nov 30, 2012	0.800926
Dec 03, 2012	Dec 31, 2012	0.791578
Jan 02, 2013	Jan 31, 2013	0.778377
Feb 01, 2013	Feb 28, 2013	0.765987
Mar 01, 2013	Mar 29, 2013	0.756581
Apr 01, 2013	Apr 30, 2013	0.746170
May 01, 2013	May 31, 2013	0.738050
Jun 03, 2013	Jun 28, 2013	0.721725
Jul 01, 2013	Jul 31, 2013	0.708481
Aug 01, 2013	Aug 30, 2013	0.692663
Sep 03, 2013	Sep 30, 2013	0.678796
Oct 01, 2013	Oct 31, 2013	0.669699
Nov 01, 2013	Nov 29, 2013	0.662315
Dec 02, 2013	Dec 31, 2013	0.650126
Jan 02, 2014	Jan 31, 2014	0.632903
Feb 03, 2014	Feb 28, 2014	0.629712
Mar 03, 2014	Mar 31, 2014	0.617446
Apr 01, 2014	Apr 30, 2014	0.605808
May 01, 2014	May 30, 2014	0.599737
Jun 02, 2014	Jun 30, 2014	0.590257
Jul 01, 2014	Jul 31, 2014	0.582178
Aug 01, 2014	Aug 29, 2014	0.580298
Sep 02, 2014	Sep 30, 2014	0.574189
Oct 01, 2014	Oct 31, 2014	0.571328
Nov 03, 2014	Nov 28, 2014	0.567595
Dec 01, 2014	Dec 31, 2014	0.565740
Jan 02, 2015	Jan 30, 2015	0.556022
Feb 02, 2015	Feb 27, 2015	0.555481
Mar 02, 2015	Mar 31, 2015	0.554700
Apr 01, 2015	Apr 30, 2015	0.545020
May 01, 2015	May 29, 2015	0.540757
Jun 01, 2015		0.532296
_		

JP Morgan Mortgage Trust 2007-A3

2A4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Apr 30, 2007	1.000000
May 01, 2007	May 31, 2007	0.997297
Jun 01, 2007	Jun 29, 2007	0.980608
Jul 02, 2007	Jul 31, 2007	0.972053
Aug 01, 2007	Aug 31, 2007	0.965424
Sep 04, 2007	Sep 28, 2007	0.962771
Oct 01, 2007	Oct 31, 2007	0.955614
Nov 01, 2007	Nov 30, 2007	0.952668
Dec 03, 2007	Dec 31, 2007	
Jan 02, 2008	Jan 31, 2008	0.949070
Feb 01, 2008	Feb 29, 2008	0.932096
Mar 03, 2008	Mar 31, 2008	0.930216
Apr 01, 2008	Apr 30, 2008	0.905277
May 01, 2008	May 30, 2008	0.886470
Jun 02, 2008	Jun 30, 2008	0.872529
Jul 01, 2008	Jul 31, 2008	0.856773
Aug 01, 2008	Aug 29, 2008	0.855705
		0.852366
Sep 02, 2008	Sep 30, 2008	0.833570
Oct 01, 2008	Oct 31, 2008	0.829422
Nov 03, 2008	Nov 28, 2008	0.820034
Dec 01, 2008	Dec 31, 2008	0.814562
Jan 02, 2009	Jan 30, 2009	0.810752
Feb 02, 2009	Feb 27, 2009	0.808240
Mar 02, 2009	Mar 31, 2009	0.802452
Apr 01, 2009	Apr 30, 2009	0.790330
May 01, 2009	May 29, 2009	0.782886
Jun 01, 2009	Jun 30, 2009	0.764911
Jul 01, 2009	Jul 31, 2009	0.756160
Aug 03, 2009	Aug 31, 2009	0.740509
Sep 01, 2009	Sep 30, 2009	0.729242
Oct 01, 2009	Oct 30, 2009	0.712519
Nov 02, 2009	Nov 30, 2009	0.704214
Dec 01, 2009	Dec 31, 2009	0.704161
Jan 04, 2010	Jan 29, 2010	0.695255
Feb 01, 2010	Feb 26, 2010	0.685998
Mar 01, 2010	Mar 31, 2010	0.679619
Apr 01, 2010	Apr 30, 2010	0.674016
May 03, 2010	May 28, 2010	0.659452
Jun 01, 2010	Jun 30, 2010	0.659332
Jul 01, 2010	Jul 30, 2010	0.631585
Aug 02, 2010	Aug 31, 2010	0.628097
Sep 01, 2010	Sep 30, 2010	0.606595
Oct 01, 2010	Oct 29, 2010	0.601497
Nov 01, 2010	Nov 30, 2010	0.593697
Dec 01, 2010	Dec 31, 2010	0.583606
Jan 03, 2011	Jan 31, 2011	0.567731
Feb 01, 2011	Feb 28, 2011	0.554603
Mar 01, 2011	Mar 31, 2011	0.544441
Apr 01, 2011	Apr 29, 2011	0.529640
May 02, 2011	May 31, 2011	0.524393
Jun 01, 2011	Jun 30, 2011	0.516147

JP Morgan Mortgage Trust 2007-A3

2A4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Jul 01, 2011	Jul 29, 2011	0.503531
Aug 01, 2011	Aug 31, 2011	0.503186
Sep 01, 2011	Sep 30, 2011	0.489470
Oct 03, 2011	Oct 31, 2011	0.477990
Nov 01, 2011	Nov 30, 2011	0.476589
Dec 01, 2011	Dec 30, 2011	0.470154
Jan 03, 2012	Jan 31, 2012	0.467142
Feb 01, 2012	Feb 29, 2012	0.462451
Mar 01, 2012	Mar 30, 2012	0.458344
Apr 02, 2012	Apr 30, 2012	0.451919
May 01, 2012	May 31, 2012	0.448547
Jun 01, 2012	Jun 29, 2012	0.441045
Jul 02, 2012	Jul 31, 2012	0.436099
Aug 01, 2012	Aug 31, 2012	0.431805
Sep 04, 2012	Sep 28, 2012	0.428720
Oct 01, 2012	Oct 31, 2012	0.424247
Nov 01, 2012	Nov 30, 2012	0.423002
Dec 03, 2012	Dec 31, 2012	0.422100
Jan 02, 2013	Jan 31, 2013	0.421703
Feb 01, 2013	Feb 28, 2013	0.421629
Mar 01, 2013	Mar 29, 2013	0.421629
Apr 01, 2013	Apr 30, 2013	0.421629
May 01, 2013	May 31, 2013	0.421629
Jun 03, 2013	Jun 28, 2013	0.421629
Jul 01, 2013	Jul 31, 2013	0.421629
Aug 01, 2013	Aug 30, 2013	0.421629
Sep 03, 2013	Sep 30, 2013	0.421629
Oct 01, 2013	Oct 31, 2013	0.421629
Nov 01, 2013	Nov 29, 2013	0.421629
Dec 02, 2013	Dec 31, 2013	0.421629
Jan 02, 2014	Jan 31, 2014	0.421629
Feb 03, 2014	Feb 28, 2014	0.421629
Mar 03, 2014	Mar 31, 2014	0.421629
Apr 01, 2014	Apr 30, 2014	0.421629
May 01, 2014	May 30, 2014	0.421629
Jun 02, 2014	Jun 30, 2014	0.421629
Jul 01, 2014	Jul 31, 2014	0.421629
Aug 01, 2014	Aug 29, 2014	0.421629
Sep 02, 2014	Sep 30, 2014	0.421629
Oct 01, 2014	Oct 31, 2014	0.421629
Nov 03, 2014	Nov 28, 2014	0.421629
Dec 01, 2014	Dec 31, 2014	0.421629
Jan 02, 2015	Jan 30, 2015	0.421629
Feb 02, 2015	Feb 27, 2015	0.421629
Mar 02, 2015	Mar 31, 2015	0.421629
Apr 01, 2015	Apr 30, 2015	0.421629
May 01, 2015	May 29, 2015	0.421629
Jun 01, 2015		0.421629

JP Morgan Mortgage Trust 2007-A3

3A1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Apr 30, 2007	1.000000
May 01, 2007	May 31, 2007	0.984623
Jun 01, 2007	Jun 29, 2007	0.978915
Jul 02, 2007	Jul 31, 2007	0.971520
Aug 01, 2007	Aug 31, 2007	
Sep 04, 2007	Sep 28, 2007	0.963537
Oct 01, 2007	Oct 31, 2007	0.957080
Nov 01, 2007	Nov 30, 2007	0.944583
Dec 03, 2007	Dec 31, 2007	0.944219
Jan 02, 2008	Jan 31, 2008	0.937922
Feb 01, 2008	Feb 29, 2008	0.932466
Mar 03, 2008	Mar 31, 2008	0.928842
Apr 01, 2008	Apr 30, 2008	0.919895
		0.910793
May 01, 2008	May 30, 2008	0.905172
Jun 02, 2008	Jun 30, 2008	0.888406
Jul 01, 2008	Jul 31, 2008	0.869744
Aug 01, 2008	Aug 29, 2008	0.858571
Sep 02, 2008	Sep 30, 2008	0.854077
Oct 01, 2008	Oct 31, 2008	0.844793
Nov 03, 2008	Nov 28, 2008	0.831578
Dec 01, 2008	Dec 31, 2008	0.827287
Jan 02, 2009	Jan 30, 2009	0.819892
Feb 02, 2009	Feb 27, 2009	0.812431
Mar 02, 2009	Mar 31, 2009	0.798606
Apr 01, 2009	Apr 30, 2009	0.795408
May 01, 2009	May 29, 2009	0.778315
Jun 01, 2009	Jun 30, 2009	0.774889
Jul 01, 2009	Jul 31, 2009	0.748745
Aug 03, 2009	Aug 31, 2009	0.726139
Sep 01, 2009	Sep 30, 2009	0.713347
Oct 01, 2009	Oct 30, 2009	0.698579
Nov 02, 2009	Nov 30, 2009	0.690843
Dec 01, 2009	Dec 31, 2009	0.677469
Jan 04, 2010	Jan 29, 2010	0.673457
Feb 01, 2010	Feb 26, 2010	0.669623
Mar 01, 2010	Mar 31, 2010	0.669123
Apr 01, 2010	Apr 30, 2010	0.647219
May 03, 2010	May 28, 2010	0.638832
Jun 01, 2010	Jun 30, 2010	0.631263
Jul 01, 2010	Jul 30, 2010	0.613314
Aug 02, 2010	Aug 31, 2010	0.609182
Sep 01, 2010	Sep 30, 2010	0.598166
Oct 01, 2010	Oct 29, 2010	0.584608
Nov 01, 2010	Nov 30, 2010	0.582432
Dec 01, 2010	Dec 31, 2010	0.578272
Jan 03, 2011	Jan 31, 2011	0.572345
Feb 01, 2011	Feb 28, 2011	0.557845
Mar 01, 2011	Mar 31, 2011	0.549766
Apr 01, 2011	Apr 29, 2011	0.545322
May 02, 2011	May 31, 2011	0.533208
Jun 01, 2011	Jun 30, 2011	0.518164

JP Morgan Mortgage Trust 2007-A3

3A1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 01, 2011	Jul 29, 2011	0.512682
Aug 01, 2011	Aug 31, 2011	0.505311
Sep 01, 2011	Sep 30, 2011	0.491537
Oct 03, 2011	Oct 31, 2011	0.480024
Nov 01, 2011	Nov 30, 2011	0.478627
Dec 01, 2011	Dec 30, 2011	0.472043
Jan 03, 2012	Jan 31, 2012	0.468799
Feb 01, 2012	Feb 29, 2012	0.463760
Mar 01, 2012	Mar 30, 2012	0.459244
Apr 02, 2012	Apr 30, 2012	0.452182
May 01, 2012	May 31, 2012	0.448480
Jun 01, 2012	Jun 29, 2012	0.438847
Jul 02, 2012	Jul 31, 2012	0.431732
Aug 01, 2012	Aug 31, 2012	0.424528
Sep 04, 2012	Sep 28, 2012	0.419148
Oct 01, 2012	Oct 31, 2012	0.410610
Nov 01, 2012	Nov 30, 2012	0.406666
Dec 03, 2012	Dec 31, 2012	0.402154
Jan 02, 2013	Jan 31, 2013	0.395800
Feb 01, 2013	Feb 28, 2013	0.389858
Mar 01, 2013	Mar 29, 2013	0.385367
Apr 01, 2013	Apr 30, 2013	0.380324
May 01, 2013	May 31, 2013	0.376397
Jun 03, 2013	Jun 28, 2013	0.368520
Jul 01, 2013	Jul 31, 2013	0.362117
Aug 01, 2013	Aug 30, 2013	0.354469
Sep 03, 2013	Sep 30, 2013	0.347700
Oct 01, 2013	Oct 31, 2013	0.343248
Nov 01, 2013	Nov 29, 2013	0.339632
Dec 02, 2013	Dec 31, 2013	0.333580
Jan 02, 2014	Jan 31, 2014	0.325016
Feb 03, 2014	Feb 28, 2014	0.323415
Mar 03, 2014	Mar 31, 2014	0.317263
Apr 01, 2014	Apr 30, 2014	0.311436
May 01, 2014	May 30, 2014	0.308396
Jun 02, 2014	Jun 30, 2014	0.303650
Jul 01, 2014	Jul 31, 2014	0.299574
Aug 01, 2014	Aug 29, 2014	0.298625
Sep 02, 2014	Sep 30, 2014	0.295549
Oct 01, 2014	Oct 31, 2014	0.294109
Nov 03, 2014	Nov 28, 2014	0.292196
Dec 01, 2014	Dec 31, 2014	0.291245
Jan 02, 2015	Jan 30, 2015	0.286298
Feb 02, 2015	Feb 27, 2015	0.286023
Mar 02, 2015	Mar 31, 2015	0.285625
Apr 01, 2015	Apr 30, 2015	0.280706
May 01, 2015	May 29, 2015	0.278544
Jun 01, 2015		0.274254
-		

JP Morgan Mortgage Trust 2007-A3

3A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Apr 30, 2007	1.000000
May 01, 2007	May 31, 2007	0.984623
Jun 01, 2007	Jun 29, 2007	0.978915
Jul 02, 2007	Jul 31, 2007	0.971520
Aug 01, 2007	Aug 31, 2007	0.963537
Sep 04, 2007	Sep 28, 2007	0.957080
Oct 01, 2007	Oct 31, 2007	0.944583
Nov 01, 2007	Nov 30, 2007	0.944219
Dec 03, 2007	Dec 31, 2007	0.937922
Jan 02, 2008	Jan 31, 2008	0.932466
Feb 01, 2008	Feb 29, 2008	0.928842
Mar 03, 2008	Mar 31, 2008	0.919895
Apr 01, 2008	Apr 30, 2008	0.910793
May 01, 2008	May 30, 2008	0.905172
Jun 02, 2008	Jun 30, 2008	0.888406
Jul 01, 2008	Jul 31, 2008	0.869744
Aug 01, 2008	Aug 29, 2008	
Sep 02, 2008	Sep 30, 2008	0.858571
Oct 01, 2008	Oct 31, 2008	0.854077
Nov 03, 2008	Nov 28, 2008	0.844793
Dec 01, 2008	Dec 31, 2008	0.831578
Jan 02, 2009	Jan 30, 2009	0.827287
Feb 02, 2009	Feb 27, 2009	0.819892
Mar 02, 2009	Mar 31, 2009	0.812431
Apr 01, 2009	Apr 30, 2009	0.798606
May 01, 2009	May 29, 2009	0.795408
Jun 01, 2009	Jun 30, 2009	0.778315
Jul 01, 2009	Jul 31, 2009	0.774889
Aug 03, 2009	Aug 31, 2009	0.748745
Sep 01, 2009	Sep 30, 2009	0.726139
Oct 01, 2009	Oct 30, 2009	0.713347
Nov 02, 2009	Nov 30, 2009	0.698579
Dec 01, 2009	Dec 31, 2009	0.677469
Jan 04, 2010	Jan 29, 2010	0.673457
Feb 01, 2010	Feb 26, 2010	0.669623
Mar 01, 2010	Mar 31, 2010	0.669123
Apr 01, 2010	Apr 30, 2010	0.647219
May 03, 2010	May 28, 2010	0.638832
Jun 01, 2010	Jun 30, 2010	0.631263
Jul 01, 2010	Jul 30, 2010	0.613314
Aug 02, 2010	Aug 31, 2010	0.609182
Sep 01, 2010	Sep 30, 2010	0.598166
Oct 01, 2010	Oct 29, 2010	0.584608
Nov 01, 2010	Nov 30, 2010	0.582432
Dec 01, 2010	Dec 31, 2010	0.578272
Jan 03, 2011	Jan 31, 2011	0.572345
Feb 01, 2011	Feb 28, 2011	0.557845
Mar 01, 2011	Mar 31, 2011	0.549766
Apr 01, 2011	Apr 29, 2011	0.545322
May 02, 2011	May 31, 2011	0.533208
Jun 01, 2011	Jun 30, 2011	0.518164

JP Morgan Mortgage Trust 2007-A3

3A2 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 01, 2011	Jul 29, 2011	0.512682
Aug 01, 2011	Aug 31, 2011	0.505311
Sep 01, 2011	Sep 30, 2011	0.491537
Oct 03, 2011	Oct 31, 2011	0.480009
Nov 01, 2011	Nov 30, 2011	0.478602
Dec 01, 2011	Dec 30, 2011	0.471966
Jan 03, 2012	Jan 31, 2012	0.468671
Feb 01, 2012	Feb 29, 2012	0.463540
Mar 01, 2012	Mar 30, 2012	0.458942
Apr 02, 2012	Apr 30, 2012	0.451748
May 01, 2012	May 31, 2012	0.447973
Jun 01, 2012	Jun 29, 2012	0.438119
Jul 02, 2012	Jul 31, 2012	0.430759
Aug 01, 2012	Aug 31, 2012	0.423294
Sep 04, 2012	Sep 28, 2012	0.417701
Oct 01, 2012	Oct 31, 2012	0.408836
Nov 01, 2012	Nov 30, 2012	0.404717
Dec 03, 2012	Dec 31, 2012	0.399993
Jan 02, 2013	Jan 31, 2013	0.393326
Feb 01, 2013	Feb 28, 2013	0.387091
Mar 01, 2013	Mar 29, 2013	0.382381
Apr 01, 2013	Apr 30, 2013	0.377091
May 01, 2013	May 31, 2013	0.372972
Jun 03, 2013	Jun 28, 2013	0.364709
Jul 01, 2013	Jul 31, 2013	0.357993
Aug 01, 2013	Aug 30, 2013	0.349971
Sep 03, 2013	Sep 30, 2013	0.342871
Oct 01, 2013	Oct 31, 2013	0.338201
Nov 01, 2013	Nov 29, 2013	0.334408
Dec 02, 2013	Dec 31, 2013	0.328060
Jan 02, 2014	Jan 31, 2014	0.319077
Feb 03, 2014	Feb 28, 2014	0.317398
Mar 03, 2014	Mar 31, 2014	0.310945
Apr 01, 2014	Apr 30, 2014	0.304833
May 01, 2014	May 30, 2014	0.301645
Jun 02, 2014	Jun 30, 2014	0.296667
Jul 01, 2014	Jul 31, 2014	0.292391
Aug 01, 2014	Aug 29, 2014	0.291396
Sep 02, 2014	Sep 30, 2014	0.288170
Oct 01, 2014	Oct 31, 2014	0.286659
Nov 03, 2014	Nov 28, 2014	0.284653
Dec 01, 2014	Dec 31, 2014	0.283656
Jan 02, 2015	Jan 30, 2015	0.278466
Feb 02, 2015	Feb 27, 2015	0.278178
Mar 02, 2015	Mar 31, 2015	0.277760
Apr 01, 2015	Apr 30, 2015	0.272601
May 01, 2015	May 29, 2015	0.270334
Jun 01, 2015		0.265834
		

JP Morgan Mortgage Trust 2007-A3

3A3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Apr 30, 2007	1.000000
May 01, 2007	May 31, 2007	0.984623
Jun 01, 2007	Jun 29, 2007	0.978915
Jul 02, 2007	Jul 31, 2007	0.971520
Aug 01, 2007	Aug 31, 2007	
Sep 04, 2007	Sep 28, 2007	0.963537
Oct 01, 2007	Oct 31, 2007	0.957080
Nov 01, 2007	Nov 30, 2007	0.944583
Dec 03, 2007	Dec 31, 2007	0.944219
Jan 02, 2008	Jan 31, 2008	0.937922
Feb 01, 2008	Feb 29, 2008	0.932466
Mar 03, 2008	Mar 31, 2008	0.928842
Apr 01, 2008	Apr 30, 2008	0.919895
		0.910793
May 01, 2008	May 30, 2008	0.905172
Jun 02, 2008	Jun 30, 2008	0.888406
Jul 01, 2008	Jul 31, 2008	0.869744
Aug 01, 2008	Aug 29, 2008	0.858571
Sep 02, 2008	Sep 30, 2008	0.854077
Oct 01, 2008	Oct 31, 2008	0.844793
Nov 03, 2008	Nov 28, 2008	0.831578
Dec 01, 2008	Dec 31, 2008	0.827287
Jan 02, 2009	Jan 30, 2009	0.819892
Feb 02, 2009	Feb 27, 2009	0.812431
Mar 02, 2009	Mar 31, 2009	0.798606
Apr 01, 2009	Apr 30, 2009	0.795408
May 01, 2009	May 29, 2009	0.778315
Jun 01, 2009	Jun 30, 2009	0.774889
Jul 01, 2009	Jul 31, 2009	0.748745
Aug 03, 2009	Aug 31, 2009	0.726139
Sep 01, 2009	Sep 30, 2009	0.713347
Oct 01, 2009	Oct 30, 2009	0.698579
Nov 02, 2009	Nov 30, 2009	0.690843
Dec 01, 2009	Dec 31, 2009	0.677469
Jan 04, 2010	Jan 29, 2010	0.673457
Feb 01, 2010	Feb 26, 2010	0.669623
Mar 01, 2010	Mar 31, 2010	0.669123
Apr 01, 2010	Apr 30, 2010	0.647219
May 03, 2010	May 28, 2010	0.638832
Jun 01, 2010	Jun 30, 2010	0.631263
Jul 01, 2010	Jul 30, 2010	0.613314
Aug 02, 2010	Aug 31, 2010	0.609182
Sep 01, 2010	Sep 30, 2010	0.598166
Oct 01, 2010	Oct 29, 2010	0.584608
Nov 01, 2010	Nov 30, 2010	0.582432
Dec 01, 2010	Dec 31, 2010	0.578272
Jan 03, 2011	Jan 31, 2011	0.572345
Feb 01, 2011	Feb 28, 2011	0.557845
Mar 01, 2011	Mar 31, 2011	0.549766
Apr 01, 2011	Apr 29, 2011	0.545322
May 02, 2011	May 31, 2011	0.533208
Jun 01, 2011	Jun 30, 2011	0.518164

JP Morgan Mortgage Trust 2007-A3

3A3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 01, 2011	Jul 29, 2011	0.512682
Aug 01, 2011	Aug 31, 2011	0.505311
Sep 01, 2011	Sep 30, 2011	0.491537
Oct 03, 2011	Oct 31, 2011	0.480337
Nov 01, 2011	Nov 30, 2011	0.479135
Dec 01, 2011	Dec 30, 2011	0.473594
Jan 03, 2012	Jan 31, 2012	0.471390
Feb 01, 2012	Feb 29, 2012	0.468212
Mar 01, 2012	Mar 30, 2012	0.465363
Apr 02, 2012	Apr 30, 2012	0.460964
May 01, 2012	May 31, 2012	0.458745
Jun 01, 2012	Jun 29, 2012	0.453568
Jul 02, 2012	Jul 31, 2012	0.451403
Aug 01, 2012	Aug 31, 2012	0.449489
Sep 04, 2012	Sep 28, 2012	0.448403
Oct 01, 2012	Oct 31, 2012	0.446493
Nov 01, 2012	Nov 30, 2012	0.446082
Dec 03, 2012	Dec 31, 2012	0.445859
Jan 02, 2013	Jan 31, 2013	0.445859
Feb 01, 2013	Feb 28, 2013	0.445859
Mar 01, 2013	Mar 29, 2013	0.445859
Apr 01, 2013	Apr 30, 2013	0.445859
May 01, 2013	May 31, 2013	0.445859
Jun 03, 2013	Jun 28, 2013	0.445859
Jul 01, 2013	Jul 31, 2013	0.445859
Aug 01, 2013	Aug 30, 2013	0.445859
Sep 03, 2013	Sep 30, 2013	0.445859
Oct 01, 2013	Oct 31, 2013	0.445859
Nov 01, 2013	Nov 29, 2013	0.445859
Dec 02, 2013	Dec 31, 2013	0.445859
Jan 02, 2014	Jan 31, 2014	0.445859
Feb 03, 2014	Feb 28, 2014	0.445859
Mar 03, 2014	Mar 31, 2014	0.445859
Apr 01, 2014	Apr 30, 2014	0.445859
May 01, 2014	May 30, 2014	0.445859
Jun 02, 2014	Jun 30, 2014	0.445859
Jul 01, 2014	Jul 31, 2014	0.445859
Aug 01, 2014	Aug 29, 2014	0.445859
Sep 02, 2014	Sep 30, 2014	0.445859
Oct 01, 2014	Oct 31, 2014	0.445859
Nov 03, 2014	Nov 28, 2014	0.445859
Dec 01, 2014	Dec 31, 2014	0.445859
Jan 02, 2015	Jan 30, 2015	0.445859
Feb 02, 2015	Feb 27, 2015	0.445859
Mar 02, 2015	Mar 31, 2015	0.445859
Apr 01, 2015	Apr 30, 2015	0.445859
May 01, 2015	May 29, 2015	0.445859
Jun 01, 2015		0.445859

JP Morgan Mortgage Trust 2007-A3

2A3M Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Apr 30, 2007	1.000000
May 01, 2007	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
		1.000000
Aug 01, 2008 Sep 02, 2008	Aug 29, 2008 Sep 30, 2008	1.000000
	<u> </u>	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000

JP Morgan Mortgage Trust 2007-A3

2A3M Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000
Sep 01, 2011	Sep 30, 2011	0.972742
Oct 03, 2011	Oct 31, 2011	0.949928
Nov 01, 2011	Nov 30, 2011	0.947143
Dec 01, 2011	Dec 30, 2011	0.934011
Jan 03, 2012	Jan 31, 2012	0.927491
Feb 01, 2012	Feb 29, 2012	0.917337
Mar 01, 2012	Mar 30, 2012	0.908237
Apr 02, 2012	Apr 30, 2012	0.894001
May 01, 2012	May 31, 2012	0.886530
Jun 01, 2012	Jun 29, 2012	0.867029
Jul 02, 2012	Jul 31, 2012	0.852463
Aug 01, 2012	Aug 31, 2012	0.837690
Sep 04, 2012	Sep 28, 2012	0.826622
Oct 01, 2012	Oct 31, 2012	0.809078
Nov 01, 2012	Nov 30, 2012	0.800926
Dec 03, 2012	Dec 31, 2012	0.791578
Jan 02, 2013	Jan 31, 2013	0.778377
Feb 01, 2013	Feb 28, 2013	0.765987
Mar 01, 2013	Mar 29, 2013	0.756581
Apr 01, 2013	Apr 30, 2013	0.746170
May 01, 2013	May 31, 2013	0.738050
Jun 03, 2013	Jun 28, 2013	0.721725
Jul 01, 2013	Jul 31, 2013	0.708481
Aug 01, 2013	Aug 30, 2013	0.692663
Sep 03, 2013	Sep 30, 2013	0.678796
Oct 01, 2013	Oct 31, 2013	0.669699
Nov 01, 2013	Nov 29, 2013	0.662315
Dec 02, 2013	Dec 31, 2013	0.650126
Jan 02, 2014	Jan 31, 2014	0.632903
Feb 03, 2014	Feb 28, 2014	0.629712
Mar 03, 2014	Mar 31, 2014	0.617446
Apr 01, 2014	Apr 30, 2014	0.605808
May 01, 2014	May 30, 2014	0.599737
Jun 02, 2014	Jun 30, 2014	0.590257
Jul 01, 2014	Jul 31, 2014	0.582178
Aug 01, 2014	Aug 29, 2014	0.580298
Sep 02, 2014	Sep 30, 2014	0.574189
Oct 01, 2014	Oct 31, 2014	0.571328
Nov 03, 2014	Nov 28, 2014	0.567595
Dec 01, 2014	Dec 31, 2014	0.565740
Jan 02, 2015	Jan 30, 2015	0.556022
Feb 02, 2015	Feb 27, 2015	0.555481
Mar 02, 2015	Mar 31, 2015	0.554700
Apr 01, 2015	Apr 30, 2015	0.545020
May 01, 2015	May 29, 2015	0.540757
Jun 01, 2015		0.532296

JP Morgan Mortgage Trust 2007-A3

2A3S Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Apr 30, 2007	0.000000
May 01, 2007	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.000000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	0.000000
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
		0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
	*	0.00000

JP Morgan Mortgage Trust 2007-A3

2A3S Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Jul 01, 2011	Jul 29, 2011	0.000000
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

JP Morgan Mortgage Trust 2007-A3

2A3L Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Apr 30, 2007	1.000000
May 01, 2007	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
	*	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
	7011 JU, 2011	1.000000

JP Morgan Mortgage Trust 2007-A3

2A3L Certificate Writedown Free Factor Chart

Jul 01, 2011 Jul 29, 2011 1.000000 Aug 01, 2011 Aug 31, 2011 1.000000 Sep 01, 2011 Sep 30, 2011 0.972742 Oct 03, 2011 0ct 31, 2011 0.949928 Nov 01, 2011 Nov 30, 2011 0.947143 Dec 01, 2011 Dec 30, 2011 0.934011 Jan 03, 2012 Jan 31, 2012 0.927491 Feb 01, 2012 Feb 29, 2012 0.917337 Mar 01, 2012 Mar 30, 2012 0.894001 May 01, 2012 May 31, 2012 0.865300 Jun 01, 2012 Jul 31, 2012 0.865020 Jul 02, 2012 Jul 31, 2012 0.852463 Aug 01, 2012 Aug 31, 2012 0.836690 Sep 04, 2012 Sep 28, 2012 0.837690 Sep 04, 2012 Sep 28, 2012 0.809078 Nov 01, 2012 Nov 30, 2012 0.809078 Nov 01, 2012 Nov 30, 2012 0.809078 Nov 01, 2012 Nov 30, 2012 0.80926 Dec 03, 2012 Dec 31, 2012 0.791578 Jan 02, 2013 Jan 31, 2013 0.778377 Feb 01, 2013 Feb 28, 2013 0.756581 Apr 01, 2013 Mar 29, 2013 0.736059 Jun 03, 2013 Jun 28, 2013 0.736059 Jun 03, 2013 Jun 28, 2013 0.736059 Jun 03, 2013 Jun 28, 2013 0.721725 Jul 01, 2013 May 31, 2013 0.738050 Jun 03, 2013 Jun 28, 2013 0.721725 Jul 01, 2013 Aug 30, 2013 0.692663 Sep 03, 2013 Dec 31, 2013 0.692663 Sep 03, 2014 Feb 28, 2013 0.692663 Sep 03, 2014 Jan 31, 2013 0.692663 Sep 03, 2014 Jan 31, 2014 0.632903 Feb 00, 2014 Jan 31, 2014 0.632903 Feb 00, 2014 Jan 31, 2014 0.65908 May 01, 2014 Mar 31, 2014 0.692712 Mar 03, 2014 Mar 31, 2014 0.65908 May 01, 2014 Jan 31, 2014 0.65908 May 01, 2014 Aug 29, 2014 0.590737 Jun 02, 2014 Jun 30, 2014 0.590737 Jun 02, 2015 Jan 30, 2015 0.556740 Jan 02, 2015 Feb 27, 2015 0.554700 Apr 01, 2015 May 29, 2015 0.54700	From	То	Writedown Free Factor
Sep 01, 2011 Sep 30, 2011 0.972742 Oct 03, 2011 Oct 31, 2011 0.949928 Nov 01, 2011 Nov 30, 2011 0.947143 Dec 01, 2011 Dec 30, 2011 0.934011 Jan 03, 2012 Jan 31, 2012 0.927491 Feb 01, 2012 Feb 29, 2012 0.917337 Mar 01, 2012 Mar 30, 2012 0.998237 Apr 02, 2012 Apr 30, 2012 0.894001 May 01, 2012 May 31, 2012 0.86530 Jun 02, 2012 Jun 29, 2012 0.867029 Jul 02, 2012 Jul 31, 2012 0.852463 Aug 01, 2012 Aug 31, 2012 0.837690 Sep 04, 2012 Sep 28, 2012 0.826622 Oct 01, 2012 Oct 31, 2012 0.809078 Nov 01, 2012 Nov 30, 2012 0.809078 Nov 01, 2012 Nov 30, 2012 0.809026 Dec 03, 2012 Dec 31, 2012 0.791578 Jan 02, 2013 Jan 31, 2013 0.778377 Feb 01, 2013 Feb 28, 2013 0.765881 Apr 01, 2013 <td< th=""><th>Jul 01, 2011</th><th>Jul 29, 2011</th><th></th></td<>	Jul 01, 2011	Jul 29, 2011	
Oct 03, 2011 Oct 31, 2011 0,949928 Nov 01, 2011 Nov 30, 2011 0,947143 Dec 01, 2011 Dec 30, 2011 0,934011 Jan 03, 2012 Jan 31, 2012 0,927491 Feb 01, 2012 Feb 29, 2012 0,917337 Mar 01, 2012 Mar 30, 2012 0,98237 Apr 02, 2012 Apr 30, 2012 0,886530 Jun 01, 2012 Jun 29, 2012 0,867029 Jul 02, 2012 Jul 31, 2012 0,857609 Sep 04, 2012 Sep 28, 2012 0,837690 Sep 04, 2012 Sep 28, 2012 0,836652 Oct 01, 2012 Nov 30, 2012 0,809078 Nov 01, 2012 Nov 30, 2012 0,809078 Nov 01, 2012 Nov 30, 2012 0,809978 Nov 01, 2012 Nov 30, 2012 0,791578 Jan 02, 2013 Jan 31, 2013 0,778377 Feb 01, 2013 Feb 28, 2013 0,765987 Mar 01, 2013 Mar 29, 2013 0,7366581 Apr 01, 2013 Mar 29, 2013 0,7366581 Apr 01, 2013 May 31, 2013 0,738050 Jun 03, 2013 Jun 28, 2013 0,738050 Jun 03, 2013 Jul 31, 2013 0,708481 Aug 01, 2013 Aug 30, 2013 0,662315 Dec 03, 2014 Dec 31, 2014 0,629712 Mar 01, 2013 Nov 29, 2013 0,662315 Dec 02, 2014 Jan 31, 2014 0,632903 Peb 03, 2014 Feb 28, 2014 0,629712 Mar 04, 2014 Mar 31, 2014 0,632903 Feb 03, 2014 Feb 28, 2014 0,629712 Mar 03, 2014 Mar 31, 2014 0,632903 Feb 03, 2014 Mar 31, 2014 0,599737 Jun 02, 2014 Jun 30, 2014 0,599737 Jun 02, 2014 Jun 30, 2014 0,599737 Jun 02, 2014 Jun 30, 2014 0,599737 Jun 02, 2014 Dec 31, 2014 0,595795 Dec 01, 2014 Dec 31, 2015 0,556022 Feb 02, 2015 Feb 27, 2015 0,5564700 Apr 01, 2015 Mar 31, 2015 0,556700 Mar 01, 2015 Mar 31, 2015 0,	Aug 01, 2011	Aug 31, 2011	1.000000
Nov 01, 2011 Nov 30, 2011 0,947143 Dec 01, 2011 Dec 30, 2011 0,934011 Jan 03, 2012 Jan 31, 2012 0,927491 Feb 01, 2012 Feb 29, 2012 0,917337 Mar 01, 2012 Mar 30, 2012 0,908237 Apr 02, 2012 Apr 30, 2012 0,894001 May 01, 2012 May 31, 2012 0,867029 Jul 02, 2012 Jul 31, 2012 0,867029 Jul 02, 2012 Jul 31, 2012 0,852463 Aug 01, 2012 Jul 31, 2012 0,852463 Aug 01, 2012 Aug 31, 2012 0,837690 Sep 04, 2012 Sep 28, 2012 0,826622 Oct 01, 2012 Oct 31, 2012 0,809078 Nov 01, 2012 Nov 30, 2012 0,809078 Nov 01, 2012 Nov 30, 2012 0,809266 Dec 03, 2012 Dec 31, 2012 0,791578 Jan 02, 2013 Jan 31, 2013 0,778377 Feb 01, 2013 Feb 28, 2013 0,765987 Mar 01, 2013 Mar 29, 2013 0,756581 Apr 01, 2013 Apr 30, 2013 0,746170 May 01, 2013 May 31, 2013 0,738050 Jun 03, 2013 Jul 31, 2013 0,708481 Aug 01, 2013 Aug 30, 2013 0,692663 Aug 01, 2013 Aug 30, 2013 0,692663 Sep 03, 2013 Sep 30, 2013 0,692661 Oct 01, 2013 Nov 29, 2013 0,662315 Dec 02, 2013 Dec 31, 2014 0,632903 Feb 03, 2014 Feb 28, 2014 0,629712 Mar 03, 2014 Jan 31, 2014 0,632903 Feb 03, 2014 Feb 28, 2014 0,699712 Mar 03, 2014 Mar 31, 2014 0,632903 Feb 03, 2014 Mar 31, 2014 0,632903 Feb 03, 2014 Mar 31, 2014 0,632903 Feb 03, 2014 Mar 31, 2014 0,599737 Jun 02, 2014 Jun 30, 2014 0,599737 Jun 02, 2014 Jun 30, 2014 0,599737 Jun 02, 2014 Sep 30, 2014 0,599737 Jun 02, 2014 Dec 31, 2014 0,599737 Jun 02, 2015 Jan 30, 2015 0,556022 Feb 02, 2015 Feb 27, 2015 0,555481 Mar 02, 2015 Mar 31, 2015 0,556700 Apr 01, 2015 Mar 31, 2015 0,55	Sep 01, 2011	Sep 30, 2011	0.972742
Dec 01, 2011 Dec 30, 2011 0.934011 Jan 03, 2012 Jan 31, 2012 0.927491 Feb 01, 2012 Feb 29, 2012 0.917337 Mar 01, 2012 Mar 30, 2012 0.894001 May 01, 2012 May 31, 2012 0.886530 Jun 01, 2012 Jun 29, 2012 0.867029 Jul 02, 2012 Aug 31, 2012 0.837690 Sep 04, 2012 Sep 28, 2012 0.826622 Oct 01, 2012 Nov 30, 2012 0.809078 Nov 01, 2012 Nov 30, 2012 0.809078 Mar 01, 2013 Jan 31, 2012 0.791578 Jan 02, 2013 Jan 31, 2013 0.778377 Feb 01, 2013 Feb 28, 2013 0.765987 Mar 01, 2013 Mar 29, 2013 0.7366581 Apr 01, 2013 May 31, 2013 0.738050 Jun 03, 2013 Jun 28, 2013 0.78678796 Oct 01, 2013 Jul 31, 2013 0.708481 Aug 01, 2013 Aug 30, 2013 0.692663 Sep 03, 2013 Jul 31, 2013 0.7867896 Oct 01, 2013 Jul 31, 2013 0.708481 Aug 01, 2013 Jul 31, 2013 0.708481 Aug 01, 2013 Aug 30, 2013 0.692663 Sep 03, 2013 Sep 30, 2013 0.662315 Oct 01, 2013 Nov 29, 2013 0.662315 Dec 02, 2014 Jan 31, 2014 0.632903 Feb 03, 2014 Feb 28, 2014 0.629712 Mar 03, 2014 Mar 31, 2014 0.632903 Feb 03, 2014 Feb 28, 2014 0.629712 Mar 01, 2014 Jul 31, 2014 0.632903 Feb 03, 2014 Mar 31, 2014 0.632903 Feb 03, 2014 Mar 31, 2014 0.632903 Feb 03, 2014 Mar 31, 2014 0.605808 May 01, 2014 Jul 31, 2014 0.590257 Jul 01, 2014 Jul 31, 2014 0.590257 Jul 02, 2014 Jul 31, 2014 0.590257 Jul 01, 2014 Jul 31, 2014 0.590257 Jul 01, 2014 Aug 29, 2014 0.590257 Jul 01, 2014 Dec 31, 2014 0.590257 Jul 02, 2014 Jul 31, 2014 0.590257 Jul 01, 2014 Dec 31, 2014 0.590257 Jul 01, 2014 Dec 31, 2014 0.590257 Jul 02, 2014 Sep 30, 2014 0.590298 Sep 02, 2014 Sep 30, 2015 0.556420 Peb 02, 2015 Feb 27, 2015 0.555481 Mar 02, 2015 Mar 31, 2015 0.556022 Peb 03, 2015 Mar 31, 2015 0.556700 Apr 01, 2015 Mar 31, 2015	Oct 03, 2011	Oct 31, 2011	0.949928
Jan 03, 2012 Jan 31, 2012 0.927491 Feb 01, 2012 Feb 29, 2012 0.917337 Mar 01, 2012 Mar 30, 2012 0.894001 May 01, 2012 May 31, 2012 0.886530 Jun 01, 2012 Jun 29, 2012 0.867029 Jul 02, 2012 Jul 31, 2012 0.837690 Sep 04, 2012 Sep 28, 2012 0.826622 Oct 01, 2012 Nov 30, 2012 0.809078 Nov 01, 2012 Nov 30, 2012 0.809078 Jan 02, 2013 Jan 31, 2012 0.809078 Feb 01, 2013 Mar 29, 2013 0.778377 Feb 01, 2013 Mar 29, 2013 0.756581 Apr 01, 2013 Mar 29, 2013 0.738050 Jun 03, 2013 Jun 28, 2013 0.708481 Aug 01, 2013 Mar 29, 2013 0.669699 Nov 01, 2013 Nov 29, 2013 0.666315 Dec 02, 2013 Dec 31, 2014 0.652903 Feb 03, 2014 Jan 31, 2014 0.652903 Feb 04, 2015 Mar 31, 2014 0.652903 Feb 03, 2014 Jan 31, 2014 0.652903 Feb 04, 2014 Mar 31, 2014 0.652903 Feb 03, 2014 Mar 31, 2014 0.590777 Jul 04, 2014 Mar 31, 2014 0.59077 Jun 02, 2014 Jan 31, 2014 0.652903 Feb 03, 2014 Mar 31, 2014 0.652903 Feb 03, 2014 Mar 31, 2014 0.59077 Jun 02, 2014 Jan 31, 2014 0.652903 Feb 03, 2014 Mar 31, 2014 0.59077 Jun 02, 2014 Jun 30, 2014 0.59077 Jun 02, 2014 Jun 30, 2014 0.59077 Jun 02, 2014 Sep 30, 2014 0.582178 Aug 01, 2014 Aug 29, 2014 0.582178 Aug 01, 2014 Poc 21, 2014 0.556740 Jan 02, 2015 Feb 27, 2015 0.555481 Mar 02, 2015 Mar 31, 2015 0.556022 Feb 02, 2015 Mar 31, 2015 0.556022 Feb 02, 2015 Mar 31, 2015 0.556022 May 01, 2015 Mar 31, 2015 0.556022 Feb 02, 2015 Mar 31, 2015 0.556020	Nov 01, 2011	Nov 30, 2011	0.947143
Feb 01, 2012 Feb 29, 2012 0.917337 Mar 01, 2012 Mar 30, 2012 0.908237 Apr 02, 2012 Apr 30, 2012 0.894001 May 01, 2012 Jun 29, 2012 0.867029 Jul 02, 2012 Jul 31, 2012 0.852463 Aug 01, 2012 Aug 31, 2012 0.837690 Sep 04, 2012 Sep 28, 2012 0.826622 Oct 01, 2012 Nov 30, 2012 0.809078 Nov 01, 2012 Nov 30, 2012 0.809078 Jan 02, 2013 Jan 31, 2012 0.791578 Jan 02, 2013 Jan 31, 2013 0.778377 Feb 01, 2013 Feb 28, 2013 0.756581 Apr 01, 2013 Mar 29, 2013 0.756581 Apr 01, 2013 Mar 29, 2013 0.738050 Jun 03, 2013 Jun 28, 2013 0.738050 Jun 03, 2013 Jun 28, 2013 0.721725 Jul 01, 2013 May 31, 2013 0.7721725 Jul 01, 2013 May 31, 2013 0.778470 May 01, 2013 May 31, 2013 0.738050 Jun 03, 2013 Jun 28, 2013 0.765681 Apr 01, 2013 May 31, 2013 0.721725 Jul 01, 2013 Jun 28, 2013 0.768481 Aug 01, 2013 Jun 28, 2013 0.692663 Sep 03, 2013 Oct 31, 2013 0.692663 Sep 03, 2013 Oct 31, 2013 0.669669 Nov 01, 2013 Nov 29, 2013 0.66939 Nov 01, 2014 Jan 31, 2014 0.632903 Feb 03, 2014 Feb 28, 2014 0.629712 Mar 03, 2014 Mar 31, 2014 0.632903 Feb 03, 2014 Mar 31, 2014 0.632903 Feb 03, 2014 Mar 31, 2014 0.659737 Jun 02, 2014 Jun 30, 2014 0.599737 Jun 02, 2014 Sep 30, 2014 0.590257 Jul 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Jan 30, 2015 0.556022 Feb 02, 2015 Mar 31, 2015 0.556420 May 01, 2015 May 29, 2015 0.554700 Apr 01, 2015 May 29, 2015 0.554700 Apr 01, 2015 May 29, 2015 0.554700 May 01, 2015 May 29, 2015 0.554700	Dec 01, 2011	Dec 30, 2011	0.934011
Mar 01, 2012 Mar 30, 2012 0.908237 Apr 02, 2012 Apr 30, 2012 0.894001 May 01, 2012 May 31, 2012 0.886530 Jun 01, 2012 Jun 29, 2012 0.867029 Jul 02, 2012 Jul 31, 2012 0.852463 Aug 01, 2012 Aug 31, 2012 0.837690 Sep 04, 2012 Sep 28, 2012 0.826622 Oct 01, 2012 Oct 31, 2012 0.809078 Nov 01, 2012 Nov 30, 2012 0.809078 Nov 01, 2012 Nov 30, 2012 0.809026 Dec 03, 2012 Dec 31, 2012 0.791578 Jan 02, 2013 Jan 31, 2013 0.778377 Feb 01, 2013 Feb 28, 2013 0.765987 Mar 01, 2013 Mar 29, 2013 0.756581 Apr 01, 2013 Apr 30, 2013 0.746170 May 01, 2013 May 31, 2013 0.738050 Jun 03, 2013 Jun 28, 2013 0.721725 Jul 01, 2013 Jul 31, 2013 0.708481 Aug 01, 2013 Aug 30, 2013 0.692663 Sep 03, 2013 <t< td=""><td>Jan 03, 2012</td><td>Jan 31, 2012</td><td>0.927491</td></t<>	Jan 03, 2012	Jan 31, 2012	0.927491
Apr 02, 2012	Feb 01, 2012	Feb 29, 2012	0.917337
May 01, 2012 May 31, 2012 0.886530 Jun 01, 2012 Jun 29, 2012 0.867029 Jul 02, 2012 Jul 31, 2012 0.852463 Aug 01, 2012 Aug 31, 2012 0.837690 Sep 04, 2012 Sep 28, 2012 0.826622 Oct 01, 2012 Nov 30, 2012 0.809978 Nov 01, 2012 Dec 31, 2012 0.791578 Jan 02, 2013 Jan 31, 2013 0.778377 Feb 01, 2013 Feb 28, 2013 0.765987 Mar 01, 2013 Mar 29, 2013 0.746170 May 01, 2013 May 31, 2013 0.738050 Jun 03, 2013 Jun 28, 2013 0.738050 Jun 03, 2013 Jun 28, 2013 0.708481 Aug 01, 2013 Aug 30, 2013 0.692663 Sep 03, 2013 Sep 30, 2013 0.692663 Sep 03, 2013 Sep 30, 2013 0.692663 Sep 03, 2013 Oct 31, 2013 0.669699 Nov 01, 2013 Nov 29, 2013 0.662315 Dec 02, 2013 Dec 31, 2014 0.632903 Feb 28, 2014 0.629712 Mar 03, 2014 Feb 28, 2014 0.609712 Mar 03, 2014 Mar 31, 2014 0.605808 May 01, 2014 Mar 31, 2014 0.605808 May 01, 2014 Jun 30, 2014 0.590257 Jul 01, 2014 Jun 30, 2014 0.580298 Sep 02, 2014 Sep 30, 2014 0.590257 Jul 01, 2014 Aug 29, 2014 0.580298 Sep 02, 2014 Sep 30, 2014 0.574189 Oct 01, 2014 Dec 31, 2014 0.59737 Dec 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Apr 30, 2015 0.554700 Apr 01, 2015 May 02, 2015 0.545020 May 01, 2015 May 02, 2015 0.54070	Mar 01, 2012	Mar 30, 2012	0.908237
Jun 01, 2012 Jun 29, 2012 0.867029 Jul 02, 2012 Jul 31, 2012 0.852463 Aug 01, 2012 Aug 31, 2012 0.837690 Sep 04, 2012 Sep 28, 2012 0.826622 Oct 01, 2012 Nov 30, 2012 0.809978 Nov 01, 2012 Dec 31, 2012 0.791578 Jan 02, 2013 Jan 31, 2013 0.778377 Feb 01, 2013 Feb 28, 2013 0.765987 Mar 01, 2013 Mar 29, 2013 0.756581 Apr 01, 2013 May 31, 2013 0.738050 Jun 03, 2013 Jun 28, 2013 0.738050 Jun 03, 2013 Jun 28, 2013 0.708481 Aug 01, 2013 Jul 31, 2013 0.708481 Aug 01, 2013 Aug 30, 2013 0.692663 Sep 03, 2013 Sep 30, 2013 0.6692663 Sep 03, 2013 Oct 31, 2013 0.669699 Nov 01, 2013 Nov 29, 2013 0.662315 Dec 02, 2014 Jan 31, 2014 0.632903 Feb 03, 2014 Feb 28, 2014 0.629712 Mar 03, 2014 Mar 31, 2014 0.617446 Apr 01, 2014 Apr 30, 2014 0.590277 Jun 02, 2014 Jun 30, 2014 0.590277 Jun 02, 2014 Aug 29, 2014 0.580298 Sep 02, 2014 Sep 30, 2014 0.574189 Oct 01, 2014 Dec 31, 2014 0.571328 Nov 03, 2014 Nov 28, 2014 0.567595 Dec 01, 2014 Dec 31, 2014 0.5751328 Nov 03, 2014 Nov 28, 2014 0.567595 Dec 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Mar 31, 2015 0.554700 Apr 01, 2015 Mar 31, 2015 0.545020 May 01, 2015 Mar 31, 2015 0.54020	Apr 02, 2012	Apr 30, 2012	0.894001
Jul 02, 2012 Jul 31, 2012 O.852463 Aug 01, 2012 Aug 31, 2012 O.837690 Sep 04, 2012 Sep 28, 2012 O.826622 Oct 01, 2012 Nov 30, 2012 Dec 31, 2012 Jul 31, 2013 Jul 02, 2013 Jul 31, 2013 Jul 31, 2013 Apr 30, 2013 Jul 01, 2013 Aug 30, 2013 Jul 01, 2013 Jul 01, 2013 Jul 01, 2013 Aug 30, 2013 Oct 31, 2013 Jul 31, 2013 O.756581 Apr 01, 2013 Apr 30, 2013 Jul 31, 2013 O.721725 Jul 01, 2013 Aug 30, 2013 Oct 31, 2013 Oct 31, 2013 Oct 31, 2013 Oct 31, 2013 Dec 02, 2013 Dec 31, 2013 Dec 31, 2013 Dec 31, 2014 Apr 30, 2014 O.632903 Feb 28, 2014 O.632903 Dec 31, 2014 O.632903 Dec 31, 2014 O.632903 Dec 31, 2014 O.650126 Jul 01, 2014 Apr 30, 2014 Apr 30, 2014 O.65808 May 01, 2014 Apr 30, 2014 O.590737 Jul 01, 2014 Oct 31, 2014 O.605808 May 01, 2014 Apr 30, 2014 O.590737 Jul 01, 2014 Oct 31, 2014 O.590737 Jul 01, 2014 Apr 30, 2014 O.590257 Jul 01, 2014 Oct 31, 2014 Oct 31, 2014 O.590257 Jul 01, 2014 Apr 30, 2014 Oct 31, 2014 O.590257 Jul 01, 2014 Apr 30, 2014 Oct 31, 2015 Oct 31, 2016 Oct 3	May 01, 2012	May 31, 2012	0.886530
Aug 01, 2012 Aug 31, 2012 0.837690 Sep 04, 2012 Sep 28, 2012 0.826622 Oct 01, 2012 Nov 30, 2012 0.809078 Nov 01, 2012 Dec 31, 2012 0.791578 Jan 02, 2013 Jan 31, 2013 0.765987 Mar 01, 2013 Mar 29, 2013 0.756581 Apr 01, 2013 May 31, 2013 0.738050 Jun 03, 2013 Jun 28, 2013 0.721725 Jul 01, 2013 Jul 31, 2013 0.708481 Aug 01, 2013 Aug 30, 2013 0.692663 Sep 03, 2013 Sep 30, 2013 0.692663 Sep 03, 2013 Sep 30, 2013 0.692663 Sep 03, 2013 Sep 30, 2013 0.669269 Nov 01, 2013 Nov 29, 2013 0.669299 Nov 01, 2013 Dec 31, 2013 0.66929 Nov 01, 2014 Jan 31, 2014 0.632903 Feb 03, 2014 Feb 28, 2014 0.629712 Mar 03, 2014 Mar 31, 2014 0.59737 Jun 02, 2014 Jun 30, 2014 0.599737 Jun 02, 2014 Sep 30, 2014 0.590257 Jul 01, 2014 Aug 29, 2014 0.580298 Sep 02, 2014 Sep 30, 2014 0.571328 Nov 03, 2014 Nov 28, 2014 0.5751328 Nov 03, 2014 Dec 31, 2014 0.5751328 Nov 03, 2014 Dec 31, 2014 0.567595 Dec 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Jan 30, 2015 0.555420 May 01, 2015 Mar 31, 2015 0.545020 May 01, 2015 Mar 31, 2015 0.545020 May 01, 2015 Mar 31, 2015 0.545020 May 01, 2015 Mary 29, 2015 0.554020	Jun 01, 2012	Jun 29, 2012	0.867029
Sep 04, 2012 Sep 28, 2012 0.826622 Oct 01, 2012 Oct 31, 2012 0.809078 Nov 01, 2012 Nov 30, 2012 0.800926 Dec 03, 2012 Dec 31, 2012 0.791578 Jan 02, 2013 Jan 31, 2013 0.778377 Feb 01, 2013 Feb 28, 2013 0.765987 Mar 01, 2013 Mar 29, 2013 0.756581 Apr 01, 2013 Apr 30, 2013 0.746170 May 01, 2013 May 31, 2013 0.738050 Jun 03, 2013 Jun 28, 2013 0.721725 Jul 01, 2013 Jul 31, 2013 0.708481 Aug 01, 2013 Aug 30, 2013 0.692663 Sep 03, 2013 Sep 30, 2013 0.678796 Oct 01, 2013 Oct 31, 2013 0.669263 Nov 01, 2013 Nov 29, 2013 0.662315 Dec 02, 2013 Dec 31, 2013 0.662315 Dec 02, 2014 Jan 31, 2014 0.632903 Feb 03, 2014 Feb 28, 2014 0.629712 Mar 03, 2014 Mar 31, 2014 0.617446 Apr 01, 2014 <t< td=""><td>Jul 02, 2012</td><td>Jul 31, 2012</td><td>0.852463</td></t<>	Jul 02, 2012	Jul 31, 2012	0.852463
Oct 01, 2012 Oct 31, 2012 O.809078 Nov 01, 2012 Nov 30, 2012 O.800926 Dec 03, 2012 Dec 31, 2012 O.791578 Jan 02, 2013 Jan 31, 2013 O.765987 Mar 01, 2013 Mar 29, 2013 O.756581 Apr 01, 2013 May 31, 2013 O.738050 Jun 03, 2013 Jun 28, 2013 O.738050 Jun 03, 2013 Jun 28, 2013 O.721725 Jul 01, 2013 Aug 30, 2013 O.708481 Aug 01, 2013 Aug 30, 2013 O.692663 Sep 03, 2013 Sep 30, 2013 O.678796 Oct 01, 2013 Oct 31, 2013 O.669699 Nov 01, 2013 Nov 29, 2013 O.669699 Nov 01, 2013 Nov 29, 2013 O.662315 Dec 02, 2013 Dec 31, 2013 O.650126 Jan 02, 2014 Jan 31, 2014 O.632903 Feb 03, 2014 Feb 28, 2014 O.629712 Mar 03, 2014 Mar 31, 2014 O.617446 Apr 01, 2014 Apr 30, 2014 O.605808 May 01, 2014 Jun 30, 2014 O.599737 Jun 02, 2014 Jun 30, 2014 O.599737 Jun 02, 2014 Jun 30, 2014 O.599737 Jun 02, 2014 Sep 30, 2014 O.582178 Aug 01, 2014 Aug 29, 2014 O.580298 Sep 02, 2014 Sep 30, 2014 O.571328 Nov 03, 2014 Nov 28, 2014 O.5771328 Nov 03, 2014 Nov 28, 2014 O.567595 Dec 01, 2014 Dec 31, 2014 O.565740 Jan 02, 2015 Jan 30, 2015 O.556022 Feb 02, 2015 Feb 27, 2015 O.554700 Apr 01, 2015 May 29, 2015 O.540757	Aug 01, 2012	Aug 31, 2012	0.837690
Nov 01, 2012 Nov 30, 2012 0.800926 Dec 03, 2012 Dec 31, 2012 0.791578 Jan 02, 2013 Jan 31, 2013 0.778377 Feb 01, 2013 Feb 28, 2013 0.765987 Mar 01, 2013 Mar 29, 2013 0.756581 Apr 01, 2013 Apr 30, 2013 0.746170 May 01, 2013 May 31, 2013 0.738050 Jun 03, 2013 Jun 28, 2013 0.721725 Jul 01, 2013 Aug 30, 2013 0.708481 Aug 01, 2013 Aug 30, 2013 0.692663 Sep 03, 2013 Sep 30, 2013 0.678796 Oct 01, 2013 Nov 29, 2013 0.669269 Nov 01, 2013 Nov 29, 2013 0.669315 Dec 02, 2013 Dec 31, 2013 0.650126 Jan 02, 2014 Jan 31, 2014 0.632903 Feb 03, 2014 Feb 28, 2014 0.629712 Mar 03, 2014 Mar 31, 2014 0.617446 Apr 01, 2014 Apr 30, 2014 0.699737 Jun 02, 2014 Jun 30, 2014 0.599737 Jun 02, 2014 Jun 30, 2014 0.599737 Jun 02, 2014 Jun 30, 2014 0.580298 Sep 02, 2014 Sep 30, 2014 0.571328 Nov 03, 2014 Nov 28, 2014 0.571328 Nov 03, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Feb 27, 2015 0.555481 Mar 02, 2015 Mar 31, 2015 0.554020 May 01, 2015 Mar 20, 2015 0.554020 May 01, 2015 Mar 20, 2015 0.554020 May 01, 2015 May 29, 2015 0.554020 May 01, 2015 May 29, 2015 0.554020 May 01, 2015 May 29, 2015 0.554020	Sep 04, 2012	Sep 28, 2012	0.826622
Dec 03, 2012 Dec 31, 2012 0.791578 Jan 02, 2013 Jan 31, 2013 0.778377 Feb 01, 2013 Feb 28, 2013 0.765987 Mar 01, 2013 Mar 29, 2013 0.756581 Apr 01, 2013 Apr 30, 2013 0.746170 May 01, 2013 May 31, 2013 0.738050 Jun 03, 2013 Jun 28, 2013 0.721725 Jul 01, 2013 Jul 31, 2013 0.708481 Aug 01, 2013 Aug 30, 2013 0.692663 Sep 03, 2013 Sep 30, 2013 0.692663 Sep 03, 2013 Oct 31, 2013 0.669699 Nov 01, 2013 Nov 29, 2013 0.662315 Dec 02, 2013 Dec 31, 2013 0.650126 Jan 02, 2014 Jan 31, 2014 0.632903 Feb 03, 2014 Feb 28, 2014 0.629712 Mar 03, 2014 Mar 31, 2014 0.617446 Apr 01, 2014 Apr 30, 2014 0.695808 May 01, 2014 Jun 30, 2014 0.599737 Jun 02, 2014 Jun 30, 2014 0.599737 Jun 02, 2014 Jun 30, 2014 0.582178 Aug 01, 2014 Aug 29, 2014 0.582178 Aug 01, 2014 Sep 30, 2014 0.571328 Nov 03, 2014 Nov 28, 2014 0.571328 Nov 03, 2014 Dec 31, 2014 0.571328 Nov 03, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Feb 27, 2015 0.555481 Mar 02, 2015 May 29, 2015 0.54020 May 01, 2015 May 29, 2015 0.54020 May 01, 2015 May 29, 2015 0.54020 May 01, 2015 May 29, 2015 0.554020 May 01, 2015 May 29, 2015 0.554020 May 01, 2015 May 29, 2015 0.554020	Oct 01, 2012	Oct 31, 2012	0.809078
Jan 02, 2013	Nov 01, 2012	Nov 30, 2012	0.800926
Feb 01, 2013 Feb 28, 2013 0.765987 Mar 01, 2013 Mar 29, 2013 0.756581 Apr 01, 2013 Apr 30, 2013 0.746170 May 01, 2013 May 31, 2013 0.738050 Jun 03, 2013 Jun 28, 2013 0.721725 Jul 01, 2013 Aug 30, 2013 0.692663 Sep 03, 2013 Sep 30, 2013 0.678796 Oct 01, 2013 Nov 29, 2013 0.662315 Dec 02, 2013 Dec 31, 2013 0.650126 Jan 02, 2014 Jan 31, 2014 0.632903 Feb 03, 2014 Feb 28, 2014 0.629712 Mar 03, 2014 May 30, 2014 0.605808 May 01, 2014 May 30, 2014 0.599737 Jun 02, 2014 Jun 30, 2014 0.599737 Jun 02, 2014 Jun 30, 2014 0.582178 Aug 01, 2014 Aug 29, 2014 0.582178 Aug 01, 2014 Sep 30, 2014 0.571328 Nov 03, 2014 Sep 30, 2014 0.571328 Nov 03, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Jan 30, 2015 0.554700 Apr 01, 2015 May 29, 2015 0.545020 May 01, 2015 May 29, 2015 0.540757	Dec 03, 2012	Dec 31, 2012	0.791578
Mar 01, 2013	Jan 02, 2013	Jan 31, 2013	0.778377
Apr 01, 2013	Feb 01, 2013	Feb 28, 2013	0.765987
May 01, 2013	Mar 01, 2013	Mar 29, 2013	0.756581
Jun 03, 2013 Jun 28, 2013 0.721725 Jul 01, 2013 Jul 31, 2013 0.692663 Sep 03, 2013 Sep 30, 2013 Oct 01, 2013 Nov 29, 2013 Dec 02, 2013 Jun 28, 2014 Mar 31, 2014 Apr 01, 2014 Apr 30, 2014 Jun 30, 2014 Apr 30, 2014 Jun 30, 2014 Aug 01, 2014 Aug 29, 2014 Jun 30, 2014 Aug 29, 2014 Sep 30, 2014 Sep 30, 2014 Jun 30, 2014 Aug 29, 2014 Dec 02, 2014 Jun 30, 2014 Aug 29, 2014 Dec 03, 2014 Aug 29, 2014 Dec 04, 2014 Aug 29, 2014 Dec 05, 2014 Dec 07, 2014 Dec 01, 2014 Aug 29, 2014 Dec 31, 2015 Dec 01, 2015 Apr 30, 2015 Dec 01, 2015 May 29, 2015 Dec 01, 2015 Dec 01, 2015 May 29, 2015 Dec 01, 2016 Dec 01, 20	Apr 01, 2013	Apr 30, 2013	0.746170
Jul 01, 2013 Jul 31, 2013 0.708481 Aug 01, 2013 Aug 30, 2013 0.692663 Sep 03, 2013 Sep 30, 2013 0.678796 Oct 01, 2013 Oct 31, 2013 0.669699 Nov 01, 2013 Nov 29, 2013 0.662315 Dec 02, 2013 Dec 31, 2013 0.650126 Jan 02, 2014 Jan 31, 2014 0.632903 Feb 03, 2014 Feb 28, 2014 0.629712 Mar 03, 2014 Mar 31, 2014 0.617446 Apr 01, 2014 Apr 30, 2014 0.599737 Jun 02, 2014 Jun 30, 2014 0.599737 Jul 01, 2014 Jul 31, 2014 0.582178 Aug 01, 2014 Aug 29, 2014 0.580298 Sep 02, 2014 Sep 30, 2014 0.571328 Nov 03, 2014 Nov 28, 2014 0.565740 Jan 02, 2015 Jan 30, 2015 0.554700 Apr 01, 2015 Apr 30, 2015 0.540757	May 01, 2013	May 31, 2013	0.738050
Aug 01, 2013	Jun 03, 2013	Jun 28, 2013	0.721725
Sep 03, 2013 Sep 30, 2013 0.678796 Oct 01, 2013 Oct 31, 2013 0.669699 Nov 01, 2013 Nov 29, 2013 0.662315 Dec 02, 2013 Dec 31, 2013 0.650126 Jan 02, 2014 Jan 31, 2014 0.632903 Feb 03, 2014 Feb 28, 2014 0.629712 Mar 03, 2014 Mar 31, 2014 0.617446 Apr 01, 2014 Apr 30, 2014 0.599737 Jun 02, 2014 Jun 30, 2014 0.599737 Jul 01, 2014 Jul 31, 2014 0.582178 Aug 01, 2014 Aug 29, 2014 0.580298 Sep 02, 2014 Sep 30, 2014 0.574189 Oct 01, 2014 Oct 31, 2014 0.567595 Dec 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Feb 27, 2015 0.5554700 Apr 01, 2015 Apr 30, 2015 0.540757	Jul 01, 2013	Jul 31, 2013	0.708481
Oct 01, 2013 Oct 31, 2013 0.669699 Nov 01, 2013 Nov 29, 2013 0.662315 Dec 02, 2013 Dec 31, 2013 0.650126 Jan 02, 2014 Jan 31, 2014 0.632903 Feb 03, 2014 Feb 28, 2014 0.617446 Apr 01, 2014 Apr 30, 2014 0.605808 May 01, 2014 May 30, 2014 0.599737 Jun 02, 2014 Jun 30, 2014 0.599737 Jul 01, 2014 Jul 31, 2014 0.582178 Aug 01, 2014 Aug 29, 2014 0.580298 Sep 02, 2014 Sep 30, 2014 0.574189 Oct 01, 2014 Oct 31, 2014 0.567595 Dec 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Feb 27, 2015 0.5554700 Apr 01, 2015 Apr 30, 2015 0.540757	Aug 01, 2013	Aug 30, 2013	0.692663
Nov 01, 2013 Nov 29, 2013 0.662315 Dec 02, 2013 Dec 31, 2013 0.650126 Jan 02, 2014 Jan 31, 2014 0.632903 Feb 03, 2014 Feb 28, 2014 0.629712 Mar 03, 2014 Mar 31, 2014 0.617446 Apr 01, 2014 Apr 30, 2014 0.505808 May 01, 2014 Jun 30, 2014 0.599737 Jun 02, 2014 Jul 31, 2014 0.582178 Aug 01, 2014 Aug 29, 2014 0.580298 Sep 02, 2014 Sep 30, 2014 0.574189 Oct 01, 2014 Oct 31, 2014 0.567595 Dec 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Jan 30, 2015 0.554700 Apr 01, 2015 Apr 30, 2015 0.545020 May 01, 2015 May 29, 2015 0.540757	Sep 03, 2013	Sep 30, 2013	0.678796
Dec 02, 2013 Dec 31, 2013 0.650126 Jan 02, 2014 Jan 31, 2014 0.632903 Feb 03, 2014 Feb 28, 2014 0.629712 Mar 03, 2014 Mar 31, 2014 0.617446 Apr 01, 2014 Apr 30, 2014 0.599737 Jun 02, 2014 Jun 30, 2014 0.599257 Jul 01, 2014 Jul 31, 2014 0.582178 Aug 01, 2014 Aug 29, 2014 0.580298 Sep 02, 2014 Sep 30, 2014 0.571328 Nov 03, 2014 Nov 28, 2014 0.567595 Dec 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Feb 27, 2015 0.556022 Feb 02, 2015 Mar 31, 2015 0.545020 May 01, 2015 May 29, 2015 0.540757	Oct 01, 2013	Oct 31, 2013	0.669699
Jan 02, 2014 Jan 31, 2014 0.632903 Feb 03, 2014 Feb 28, 2014 0.629712 Mar 03, 2014 Mar 31, 2014 0.617446 Apr 01, 2014 Apr 30, 2014 0.599737 Jun 02, 2014 Jun 30, 2014 0.590257 Jul 01, 2014 Jul 31, 2014 0.582178 Aug 01, 2014 Aug 29, 2014 0.580298 Sep 02, 2014 Sep 30, 2014 0.574189 Oct 01, 2014 Oct 31, 2014 0.571328 Nov 03, 2014 Nov 28, 2014 0.565740 Jan 02, 2015 Jan 30, 2015 0.5554700 Apr 01, 2015 Apr 30, 2015 0.545020 May 01, 2015 May 29, 2015 0.540757	Nov 01, 2013	Nov 29, 2013	0.662315
Feb 03, 2014 Feb 28, 2014 0.629712 Mar 03, 2014 Mar 31, 2014 0.617446 Apr 01, 2014 Apr 30, 2014 0.599737 Jun 02, 2014 Jun 30, 2014 0.599257 Jul 01, 2014 Jul 31, 2014 0.582178 Aug 01, 2014 Aug 29, 2014 0.580298 Sep 02, 2014 Sep 30, 2014 0.574189 Oct 01, 2014 Oct 31, 2014 0.571328 Nov 03, 2014 Nov 28, 2014 0.565740 Jan 02, 2015 Jan 30, 2015 0.5554700 Apr 01, 2015 Apr 30, 2015 0.545020 May 01, 2015 May 29, 2015 0.540757	Dec 02, 2013	Dec 31, 2013	0.650126
Mar 03, 2014 Mar 31, 2014 0.617446 Apr 01, 2014 Apr 30, 2014 0.605808 May 01, 2014 May 30, 2014 0.599737 Jun 02, 2014 Jun 30, 2014 0.590257 Jul 01, 2014 Jul 31, 2014 0.582178 Aug 01, 2014 Aug 29, 2014 0.580298 Sep 02, 2014 Sep 30, 2014 0.574189 Oct 01, 2014 Oct 31, 2014 0.571328 Nov 03, 2014 Nov 28, 2014 0.567595 Dec 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Jan 30, 2015 0.556022 Feb 02, 2015 Feb 27, 2015 0.554700 Apr 01, 2015 Apr 30, 2015 0.540757	Jan 02, 2014	Jan 31, 2014	0.632903
Apr 01, 2014	Feb 03, 2014	Feb 28, 2014	0.629712
May 01, 2014 May 30, 2014 0.599737 Jun 02, 2014 Jun 30, 2014 0.590257 Jul 01, 2014 Jul 31, 2014 0.580298 Aug 01, 2014 Sep 30, 2014 0.574189 Oct 01, 2014 Oct 31, 2014 0.571328 Nov 03, 2014 Nov 28, 2014 0.567595 Dec 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Jan 30, 2015 0.556022 Feb 02, 2015 Feb 27, 2015 0.554700 Apr 01, 2015 Apr 30, 2015 0.545020 May 01, 2015 May 29, 2015 0.540757	Mar 03, 2014	Mar 31, 2014	0.617446
Jun 02, 2014 Jun 30, 2014 0.590257 Jul 01, 2014 Jul 31, 2014 0.582178 Aug 01, 2014 Aug 29, 2014 0.580298 Sep 02, 2014 Sep 30, 2014 0.574189 Oct 01, 2014 Oct 31, 2014 0.571328 Nov 03, 2014 Nov 28, 2014 0.567595 Dec 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Jan 30, 2015 0.556022 Feb 02, 2015 Feb 27, 2015 0.555481 Mar 02, 2015 Mar 31, 2015 0.554700 Apr 01, 2015 Apr 30, 2015 0.540757	Apr 01, 2014	Apr 30, 2014	0.605808
Jul 01, 2014 Jul 31, 2014 0.582178 Aug 01, 2014 Aug 29, 2014 0.580298 Sep 02, 2014 Sep 30, 2014 0.574189 Oct 01, 2014 Oct 31, 2014 0.571328 Nov 03, 2014 Nov 28, 2014 0.567595 Dec 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Jan 30, 2015 0.556022 Feb 02, 2015 Feb 27, 2015 0.555481 Mar 02, 2015 Mar 31, 2015 0.554700 Apr 01, 2015 Apr 30, 2015 0.540757	May 01, 2014	May 30, 2014	0.599737
Aug 01, 2014 Aug 29, 2014 0.580298 Sep 02, 2014 Sep 30, 2014 0.574189 Oct 01, 2014 Oct 31, 2014 0.571328 Nov 03, 2014 Nov 28, 2014 0.567595 Dec 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Jan 30, 2015 0.556022 Feb 02, 2015 Feb 27, 2015 0.555481 Mar 02, 2015 Mar 31, 2015 0.554700 Apr 01, 2015 Apr 30, 2015 0.545020 May 01, 2015 May 29, 2015 0.540757	Jun 02, 2014	Jun 30, 2014	0.590257
Sep 02, 2014 Sep 30, 2014 0.574189 Oct 01, 2014 Oct 31, 2014 0.571328 Nov 03, 2014 Nov 28, 2014 0.567595 Dec 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Jan 30, 2015 0.556022 Feb 02, 2015 Feb 27, 2015 0.555481 Mar 02, 2015 Mar 31, 2015 0.554700 Apr 01, 2015 Apr 30, 2015 0.545020 May 01, 2015 May 29, 2015 0.540757	Jul 01, 2014	Jul 31, 2014	0.582178
Oct 01, 2014 Oct 31, 2014 0.571328 Nov 03, 2014 Nov 28, 2014 0.567595 Dec 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Jan 30, 2015 0.556022 Feb 02, 2015 Feb 27, 2015 0.555481 Mar 02, 2015 Mar 31, 2015 0.554700 Apr 01, 2015 Apr 30, 2015 0.545020 May 01, 2015 May 29, 2015 0.540757	Aug 01, 2014	Aug 29, 2014	0.580298
Nov 03, 2014 Nov 28, 2014 0.567595 Dec 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Jan 30, 2015 0.556022 Feb 02, 2015 Feb 27, 2015 0.555481 Mar 02, 2015 Mar 31, 2015 0.554700 Apr 01, 2015 Apr 30, 2015 0.545020 May 01, 2015 May 29, 2015 0.540757	Sep 02, 2014	Sep 30, 2014	0.574189
Dec 01, 2014 Dec 31, 2014 0.565740 Jan 02, 2015 Jan 30, 2015 0.556022 Feb 02, 2015 Feb 27, 2015 0.555481 Mar 02, 2015 Mar 31, 2015 0.554700 Apr 01, 2015 Apr 30, 2015 0.545020 May 01, 2015 May 29, 2015 0.540757	Oct 01, 2014	Oct 31, 2014	0.571328
Jan 02, 2015 Jan 30, 2015 0.556022 Feb 02, 2015 Feb 27, 2015 0.555481 Mar 02, 2015 Mar 31, 2015 0.554700 Apr 01, 2015 Apr 30, 2015 0.545020 May 01, 2015 May 29, 2015 0.540757	Nov 03, 2014	Nov 28, 2014	0.567595
Feb 02, 2015 Feb 27, 2015 0.555481 Mar 02, 2015 Mar 31, 2015 0.554700 Apr 01, 2015 Apr 30, 2015 0.545020 May 01, 2015 May 29, 2015 0.540757	Dec 01, 2014	Dec 31, 2014	0.565740
Mar 02, 2015 Mar 31, 2015 0.554700 Apr 01, 2015 Apr 30, 2015 0.545020 May 01, 2015 May 29, 2015 0.540757	Jan 02, 2015	Jan 30, 2015	0.556022
Apr 01, 2015 Apr 30, 2015 0.545020 May 01, 2015 May 29, 2015 0.540757	Feb 02, 2015	Feb 27, 2015	0.555481
May 01, 2015 May 29, 2015 0.540757	Mar 02, 2015	Mar 31, 2015	0.554700
lup 01 2015	Apr 01, 2015	Apr 30, 2015	0.545020
Jun 01, 2015 0.532296	May 01, 2015	May 29, 2015	0.540757
	Jun 01, 2015		0.532296

JP Morgan Mortgage Trust 2007-A3

2A3F Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Apr 30, 2007	0.000000
May 01, 2007	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.000000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	0.000000
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
		0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
	*	0.00000

JP Morgan Mortgage Trust 2007-A3

2A3F Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 01, 2011	Jul 29, 2011	0.000000
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

JP Morgan Mortgage Trust 2007-A3

3A2M Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Apr 30, 2007	1.000000
May 01, 2007	May 31, 2007	0.984623
Jun 01, 2007	Jun 29, 2007	0.978915
Jul 02, 2007	Jul 31, 2007	0.971520
Aug 01, 2007	Aug 31, 2007	0.963537
Sep 04, 2007	Sep 28, 2007	0.957080
Oct 01, 2007	Oct 31, 2007	0.944583
Nov 01, 2007	Nov 30, 2007	0.944219
Dec 03, 2007	Dec 31, 2007	
Jan 02, 2008	Jan 31, 2008	0.937922
Feb 01, 2008	Feb 29, 2008	0.932466
Mar 03, 2008	Mar 31, 2008	0.928842
Apr 01, 2008	Apr 30, 2008	0.919895
May 01, 2008	May 30, 2008	0.910793
Jun 02, 2008	Jun 30, 2008	0.905172
Jul 01, 2008	Jul 31, 2008	0.888406
Aug 01, 2008	Aug 29, 2008	0.869744
Sep 02, 2008	Sep 30, 2008	0.858571
	·	0.854077
Oct 01, 2008	Oct 31, 2008	0.844793
Nov 03, 2008	Nov 28, 2008	0.831578
Dec 01, 2008	Dec 31, 2008	0.827287
Jan 02, 2009	Jan 30, 2009	0.819892
Feb 02, 2009	Feb 27, 2009	0.812431
Mar 02, 2009	Mar 31, 2009	0.798606
Apr 01, 2009	Apr 30, 2009	0.795408
May 01, 2009	May 29, 2009	0.778315
Jun 01, 2009	Jun 30, 2009	0.774889
Jul 01, 2009	Jul 31, 2009	0.748745
Aug 03, 2009	Aug 31, 2009	0.726139
Sep 01, 2009	Sep 30, 2009	0.713347
Oct 01, 2009	Oct 30, 2009	0.698579
Nov 02, 2009	Nov 30, 2009	0.690843
Dec 01, 2009	Dec 31, 2009	0.677469
Jan 04, 2010	Jan 29, 2010	0.673457
Feb 01, 2010	Feb 26, 2010	0.669623
Mar 01, 2010	Mar 31, 2010	0.669123
Apr 01, 2010	Apr 30, 2010	0.647219
May 03, 2010	May 28, 2010	0.638832
Jun 01, 2010	Jun 30, 2010	0.631263
Jul 01, 2010	Jul 30, 2010	0.613314
Aug 02, 2010	Aug 31, 2010	0.609182
Sep 01, 2010	Sep 30, 2010	0.598166
Oct 01, 2010	Oct 29, 2010	0.584608
Nov 01, 2010	Nov 30, 2010	0.582432
Dec 01, 2010	Dec 31, 2010	0.578272
Jan 03, 2011	Jan 31, 2011	0.572345
Feb 01, 2011	Feb 28, 2011	0.557845
Mar 01, 2011	Mar 31, 2011	0.549766
Apr 01, 2011	Apr 29, 2011	0.545322
May 02, 2011	May 31, 2011	0.533208
Jun 01, 2011	Jun 30, 2011	0.518164

JP Morgan Mortgage Trust 2007-A3

3A2M Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Jul 01, 2011	Jul 29, 2011	0.512682
Aug 01, 2011	Aug 31, 2011	0.505311
Sep 01, 2011	Sep 30, 2011	0.491537
Oct 03, 2011	Oct 31, 2011	0.480009
Nov 01, 2011	Nov 30, 2011	0.478602
Dec 01, 2011	Dec 30, 2011	0.471966
Jan 03, 2012	Jan 31, 2012	0.468671
Feb 01, 2012	Feb 29, 2012	0.463540
Mar 01, 2012	Mar 30, 2012	0.458942
Apr 02, 2012	Apr 30, 2012	0.451748
May 01, 2012	May 31, 2012	0.447973
Jun 01, 2012	Jun 29, 2012	0.438119
Jul 02, 2012	Jul 31, 2012	0.430759
Aug 01, 2012	Aug 31, 2012	0.423294
Sep 04, 2012	Sep 28, 2012	0.417701
Oct 01, 2012	Oct 31, 2012	0.408836
Nov 01, 2012	Nov 30, 2012	0.404717
Dec 03, 2012	Dec 31, 2012	0.399993
Jan 02, 2013	Jan 31, 2013	0.393327
Feb 01, 2013	Feb 28, 2013	0.387092
Mar 01, 2013	Mar 29, 2013	0.382396
Apr 01, 2013	Apr 30, 2013	0.377110
May 01, 2013	May 31, 2013	0.372991
Jun 03, 2013	Jun 28, 2013	0.364728
Jul 01, 2013	Jul 31, 2013	0.358012
Aug 01, 2013	Aug 30, 2013	0.349990
Sep 03, 2013	Sep 30, 2013	0.342890
Oct 01, 2013	Oct 31, 2013	0.338220
Nov 01, 2013	Nov 29, 2013	0.334427
Dec 02, 2013	Dec 31, 2013	0.328079
Jan 02, 2014	Jan 31, 2014	0.319096
Feb 03, 2014	Feb 28, 2014	0.317417
Mar 03, 2014	Mar 31, 2014	0.310964
Apr 01, 2014	Apr 30, 2014	0.304852
May 01, 2014	May 30, 2014	0.301664
Jun 02, 2014	Jun 30, 2014	0.296686
Jul 01, 2014	Jul 31, 2014	0.292410
Aug 01, 2014	Aug 29, 2014	0.291415
Sep 02, 2014	Sep 30, 2014	0.288189
Oct 01, 2014	Oct 31, 2014	0.286678
Nov 03, 2014	Nov 28, 2014	0.284672
Dec 01, 2014	Dec 31, 2014	0.283675
Jan 02, 2015	Jan 30, 2015	0.278486
Feb 02, 2015	Feb 27, 2015	0.278197
Mar 02, 2015	Mar 31, 2015	0.277780
Apr 01, 2015	Apr 30, 2015	0.272620
May 01, 2015	May 29, 2015	0.270353
Jun 01, 2015		0.265853

JP Morgan Mortgage Trust 2007-A3

3A2S Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Apr 30, 2007	0.000000
May 01, 2007	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.000000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	0.000000
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
		0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
	*	0.00000

JP Morgan Mortgage Trust 2007-A3

3A2S Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Jul 01, 2011	Jul 29, 2011	0.000000
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

1A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.989161
Jul 02, 2007	Jul 31, 2007	0.975750
Aug 01, 2007	Aug 31, 2007	0.969543
Sep 04, 2007	Sep 28, 2007	0.959993
Oct 01, 2007	Oct 31, 2007	0.957547
Nov 01, 2007	Nov 30, 2007	0.953913
Dec 03, 2007	Dec 31, 2007	0.948462
Jan 02, 2008	Jan 31, 2008	0.948062
Feb 01, 2008	Feb 29, 2008	0.940722
Mar 03, 2008	Mar 31, 2008	0.928067
Apr 01, 2008	Apr 30, 2008	0.916627
May 01, 2008	May 30, 2008	0.893450
Jun 02, 2008	Jun 30, 2008	0.883311
Jul 01, 2008	Jul 31, 2008	0.870798
Aug 01, 2008	Aug 29, 2008	0.862208
Sep 02, 2008	Sep 30, 2008	0.851925
Oct 01, 2008	Oct 31, 2008	0.840232
Nov 03, 2008	Nov 28, 2008	0.836179
Dec 01, 2008	Dec 31, 2008	0.835932
Jan 02, 2009	Jan 30, 2009	
Feb 02, 2009	Feb 27, 2009	0.831084
Mar 02, 2009	Mar 31, 2009	0.826670
Apr 01, 2009	Apr 30, 2009	0.810047
May 01, 2009	May 29, 2009	0.803190
Jun 01, 2009	Jun 30, 2009	0.798146
Jul 01, 2009	Jul 31, 2009	0.783111
Aug 03, 2009	Aug 31, 2009	0.769294
Sep 01, 2009	Sep 30, 2009	0.751368
Oct 01, 2009	Oct 30, 2009	0.749152 0.728317
Nov 02, 2009	Nov 30, 2009	0.722177
Dec 01, 2009	Dec 31, 2009	0.713256
Jan 04, 2010	Jan 29, 2010	0.700888
Feb 01, 2010	Feb 26, 2010	0.696368
Mar 01, 2010	Mar 31, 2010	0.689085
Apr 01, 2010	Apr 30, 2010	0.675945
May 03, 2010	May 28, 2010	0.663942
Jun 01, 2010	Jun 30, 2010	0.661565
Jul 01, 2010	Jul 30, 2010	0.651873
Aug 02, 2010	Aug 31, 2010	0.642604
Sep 01, 2010	Sep 30, 2010	0.625642
Oct 01, 2010	Oct 29, 2010	0.614789
Nov 01, 2010	Nov 30, 2010	0.604970
Dec 01, 2010	Dec 31, 2010	0.582046
Jan 03, 2011	Jan 31, 2011	0.560944
Feb 01, 2011	Feb 28, 2011	0.558530
Mar 01, 2011	Mar 31, 2011	0.552015
Apr 01, 2011	Apr 29, 2011	0.551481
May 02, 2011	May 31, 2011	0.537005
Jun 01, 2011	Jun 30, 2011	0.533987
Jul 01, 2011	Jul 29, 2011	0.532987

1A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.522362
Sep 01, 2011	Sep 30, 2011	0.512584
Oct 03, 2011	Oct 31, 2011	0.506685
Nov 01, 2011	Nov 30, 2011	0.501819
Dec 01, 2011	Dec 30, 2011	0.496471
Jan 03, 2012	Jan 31, 2012	0.489524
Feb 01, 2012	Feb 29, 2012	0.477100
Mar 01, 2012	Mar 30, 2012	0.473405
Apr 02, 2012	Apr 30, 2012	0.465253
May 01, 2012	May 31, 2012	0.459740
Jun 01, 2012	Jun 29, 2012	0.453463
Jul 02, 2012	Jul 31, 2012	0.445872
Aug 01, 2012	Aug 31, 2012	0.440098
Sep 04, 2012	Sep 28, 2012	0.436944
Oct 01, 2012	Oct 31, 2012	0.431053
Nov 01, 2012	Nov 30, 2012	0.426014
Dec 03, 2012	Dec 31, 2012	0.420073
Jan 02, 2013	Jan 31, 2013	0.414046
Feb 01, 2013	Feb 28, 2013	0.401579
Mar 01, 2013	Mar 29, 2013	0.397537
Apr 01, 2013	Apr 30, 2013	0.392631
May 01, 2013	May 31, 2013	0.384519
Jun 03, 2013	Jun 28, 2013	0.376673
Jul 01, 2013	Jul 31, 2013	0.373999
Aug 01, 2013	Aug 30, 2013	0.367315
Sep 03, 2013	Sep 30, 2013	0.361457
Oct 01, 2013	Oct 31, 2013	0.356493
Nov 01, 2013	Nov 29, 2013	0.348396
Dec 02, 2013	Dec 31, 2013	0.343175
Jan 02, 2014	Jan 31, 2014	0.339689
Feb 03, 2014	Feb 28, 2014	0.337102
Mar 03, 2014	Mar 31, 2014	0.336587
Apr 01, 2014	Apr 30, 2014	0.333144
May 01, 2014	May 30, 2014	0.330082
Jun 02, 2014	Jun 30, 2014	0.326066
Jul 01, 2014	Jul 31, 2014	0.322788
Aug 01, 2014	Aug 29, 2014	0.317773
Sep 02, 2014	Sep 30, 2014	0.313146
Oct 01, 2014	Oct 31, 2014	0.310607
Nov 03, 2014	Nov 28, 2014	0.308798
Dec 01, 2014	Dec 31, 2014	0.308798
Jan 02, 2015	Jan 30, 2015	0.305316
Feb 02, 2015	Feb 27, 2015	0.304004
Mar 02, 2015	Mar 31, 2015	0.300815
Apr 01, 2015	Apr 30, 2015	0.300179
May 01, 2015	May 29, 2015	0.298015
Jun 01, 2015		0.293754

1A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.989161
Jul 02, 2007	Jul 31, 2007	0.975750
Aug 01, 2007	Aug 31, 2007	0.969543
Sep 04, 2007	Sep 28, 2007	0.959993
Oct 01, 2007	Oct 31, 2007	0.957547
Nov 01, 2007	Nov 30, 2007	0.953913
Dec 03, 2007	Dec 31, 2007	0.948462
Jan 02, 2008	Jan 31, 2008	0.948062
Feb 01, 2008	Feb 29, 2008	0.940722
Mar 03, 2008	Mar 31, 2008	0.928067
Apr 01, 2008	Apr 30, 2008	0.916627
May 01, 2008	May 30, 2008	
Jun 02, 2008	Jun 30, 2008	0.893450
Jul 01, 2008	Jul 31, 2008	0.883311
Aug 01, 2008	Aug 29, 2008	0.870798
Sep 02, 2008	Sep 30, 2008	0.862208
	Oct 31, 2008	0.851925
Oct 01, 2008		0.840232
Nov 03, 2008	Nov 28, 2008	0.836179
Dec 01, 2008	Dec 31, 2008	0.835932
Jan 02, 2009	Jan 30, 2009	0.831084
Feb 02, 2009	Feb 27, 2009	0.826670
Mar 02, 2009	Mar 31, 2009	0.810047
Apr 01, 2009	Apr 30, 2009	0.803190
May 01, 2009	May 29, 2009	0.798146
Jun 01, 2009	Jun 30, 2009	0.783111
Jul 01, 2009	Jul 31, 2009	0.769294
Aug 03, 2009	Aug 31, 2009	0.751368
Sep 01, 2009	Sep 30, 2009	0.749152
Oct 01, 2009	Oct 30, 2009	0.728317
Nov 02, 2009	Nov 30, 2009	0.722177
Dec 01, 2009	Dec 31, 2009	0.713256
Jan 04, 2010	Jan 29, 2010	0.700888
Feb 01, 2010	Feb 26, 2010	0.696368
Mar 01, 2010	Mar 31, 2010	0.689085
Apr 01, 2010	Apr 30, 2010	0.675945
May 03, 2010	May 28, 2010	0.663942
Jun 01, 2010	Jun 30, 2010	0.661565
Jul 01, 2010	Jul 30, 2010	0.651873
Aug 02, 2010	Aug 31, 2010	0.642604
Sep 01, 2010	Sep 30, 2010	0.625642
Oct 01, 2010	Oct 29, 2010	0.614789
Nov 01, 2010	Nov 30, 2010	0.604970
Dec 01, 2010	Dec 31, 2010	0.582046
Jan 03, 2011	Jan 31, 2011	0.560944
Feb 01, 2011	Feb 28, 2011	0.558530
Mar 01, 2011	Mar 31, 2011	0.552015
Apr 01, 2011	Apr 29, 2011	0.551481
May 02, 2011	May 31, 2011	0.537005
Jun 01, 2011	Jun 30, 2011	0.533987
Jul 01, 2011	Jul 29, 2011	0.532987
-		

1A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.522644
Sep 01, 2011	Sep 30, 2011	0.513376
Oct 03, 2011	Oct 31, 2011	0.507826
Nov 01, 2011	Nov 30, 2011	0.503552
Dec 01, 2011	Dec 30, 2011	0.499061
Jan 03, 2012	Jan 31, 2012	0.494358
Feb 01, 2012	Feb 29, 2012	0.486806
Mar 01, 2012	Mar 30, 2012	0.485200
Apr 02, 2012	Apr 30, 2012	0.483298
May 01, 2012	May 31, 2012	0.482607
Jun 01, 2012	Jun 29, 2012	0.482312
Jul 02, 2012	Jul 31, 2012	0.482312
Aug 01, 2012	Aug 31, 2012	0.482312
Sep 04, 2012	Sep 28, 2012	0.482312
Oct 01, 2012	Oct 31, 2012	0.482312
Nov 01, 2012	Nov 30, 2012	0.482312
Dec 03, 2012	Dec 31, 2012	0.482312
Jan 02, 2013	Jan 31, 2013	0.482312
Feb 01, 2013	Feb 28, 2013	0.482312
Mar 01, 2013	Mar 29, 2013	0.482312
Apr 01, 2013	Apr 30, 2013	0.482312
May 01, 2013	May 31, 2013	0.482312
Jun 03, 2013	Jun 28, 2013	0.482312
Jul 01, 2013	Jul 31, 2013	0.482312
Aug 01, 2013	Aug 30, 2013	0.482312
Sep 03, 2013	Sep 30, 2013	0.482312
Oct 01, 2013	Oct 31, 2013	0.482312
Nov 01, 2013	Nov 29, 2013	0.482312
Dec 02, 2013	Dec 31, 2013	0.482312
Jan 02, 2014	Jan 31, 2014	0.482312
Feb 03, 2014	Feb 28, 2014	0.482312
Mar 03, 2014	Mar 31, 2014	0.482312
Apr 01, 2014	Apr 30, 2014	0.482312
May 01, 2014	May 30, 2014	0.482312
Jun 02, 2014	Jun 30, 2014	0.482312
Jul 01, 2014	Jul 31, 2014	0.482312
Aug 01, 2014	Aug 29, 2014	0.482312
Sep 02, 2014	Sep 30, 2014	0.482312
Oct 01, 2014	Oct 31, 2014	0.482312
Nov 03, 2014	Nov 28, 2014	0.482312
Dec 01, 2014	Dec 31, 2014	0.482312
Jan 02, 2015	Jan 30, 2015	0.482312
Feb 02, 2015	Feb 27, 2015	0.482312
Mar 02, 2015	Mar 31, 2015	0.482312
Apr 01, 2015	Apr 30, 2015	0.482312
May 01, 2015	May 29, 2015	0.482312
Jun 01, 2015		0.482312

B1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.999845
Jul 02, 2007	Jul 31, 2007	0.999688
Aug 01, 2007	Aug 31, 2007	0.999529
Sep 04, 2007	Sep 28, 2007	0.999368
Oct 01, 2007	Oct 31, 2007	
Nov 01, 2007	Nov 30, 2007	0.999207
Dec 03, 2007	Dec 31, 2007	0.999037
Jan 02, 2008	Jan 31, 2008	0.998866
Feb 01, 2008	Feb 29, 2008	0.998687
Mar 03, 2008	Mar 31, 2008	0.998511
		0.998332
Apr 01, 2008	Apr 30, 2008	0.998145
May 01, 2008	May 30, 2008	0.997953
Jun 02, 2008	Jun 30, 2008	0.997762
Jul 01, 2008	Jul 31, 2008	0.997570
Aug 01, 2008	Aug 29, 2008	0.997371
Sep 02, 2008	Sep 30, 2008	0.997169
Oct 01, 2008	Oct 31, 2008	0.996962
Nov 03, 2008	Nov 28, 2008	0.996756
Dec 01, 2008	Dec 31, 2008	0.996552
Jan 02, 2009	Jan 30, 2009	0.996346
Feb 02, 2009	Feb 27, 2009	0.996136
Mar 02, 2009	Mar 31, 2009	0.995926
Apr 01, 2009	Apr 30, 2009	0.995714
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	0.995494
Jul 01, 2009	Jul 31, 2009	0.995277
Aug 03, 2009	Aug 31, 2009	0.995054
Sep 01, 2009	Sep 30, 2009	0.994830
Oct 01, 2009	Oct 30, 2009	0.994605
Nov 02, 2009	Nov 30, 2009	0.994387
Dec 01, 2009	Dec 31, 2009	0.994175
Jan 04, 2010	Jan 29, 2010	0.993959
Feb 01, 2010	Feb 26, 2010	0.993746
Mar 01, 2010	Mar 31, 2010	0.993530
Apr 01, 2010	Apr 30, 2010	0.993305
May 03, 2010	May 28, 2010	0.993305
Jun 01, 2010	Jun 30, 2010	0.993305
Jul 01, 2010	Jul 30, 2010	0.993305
	Aug 31, 2010	0.993305
Aug 02, 2010 Sep 01, 2010	Sep 30, 2010	0.993305
Oct 01, 2010	Oct 29, 2010	0.993305
·	-	0.993305
Nov 01, 2010 Dec 01, 2010	Nov 30, 2010 Dec 31, 2010	0.993305
	· · · · · · · · · · · · · · · · · · ·	0.993305
Jan 03, 2011	Jan 31, 2011	0.993305
Feb 01, 2011	Feb 28, 2011	0.993305
Mar 01, 2011	Mar 31, 2011	0.993305
Apr 01, 2011	Apr 29, 2011	0.993305
May 02, 2011	May 31, 2011	0.993305
Jun 01, 2011	Jun 30, 2011	0.993305
Jul 01, 2011	Jul 29, 2011	0.993305

B1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.993305
Sep 01, 2011	Sep 30, 2011	0.993305
Oct 03, 2011	Oct 31, 2011	0.993305
Nov 01, 2011	Nov 30, 2011	0.993305
Dec 01, 2011	Dec 30, 2011	0.993305
Jan 03, 2012	Jan 31, 2012	0.993305
Feb 01, 2012	Feb 29, 2012	0.993305
Mar 01, 2012	Mar 30, 2012	0.993305
Apr 02, 2012	Apr 30, 2012	0.993305
May 01, 2012	May 31, 2012	0.993305
Jun 01, 2012	Jun 29, 2012	0.993305
Jul 02, 2012	Jul 31, 2012	0.993305
Aug 01, 2012	Aug 31, 2012	0.993305
Sep 04, 2012	Sep 28, 2012	0.993305
Oct 01, 2012	Oct 31, 2012	0.993305
Nov 01, 2012	Nov 30, 2012	0.993305
Dec 03, 2012	Dec 31, 2012	0.993305
Jan 02, 2013	Jan 31, 2013	0.993305
Feb 01, 2013	Feb 28, 2013	0.993305
Mar 01, 2013	Mar 29, 2013	0.993305
Apr 01, 2013	Apr 30, 2013	0.993305
May 01, 2013	May 31, 2013	0.993305
Jun 03, 2013	Jun 28, 2013	0.993305
Jul 01, 2013	Jul 31, 2013	0.993305
Aug 01, 2013	Aug 30, 2013	0.993305
Sep 03, 2013	Sep 30, 2013	0.993305
Oct 01, 2013	Oct 31, 2013	0.993305
Nov 01, 2013	Nov 29, 2013	0.993305
Dec 02, 2013	Dec 31, 2013	0.993305
Jan 02, 2014	Jan 31, 2014	0.993305
Feb 03, 2014	Feb 28, 2014	0.993305
Mar 03, 2014	Mar 31, 2014	0.993305
Apr 01, 2014	Apr 30, 2014	0.993305
May 01, 2014	May 30, 2014	0.993305
Jun 02, 2014	Jun 30, 2014	0.993305
Jul 01, 2014	Jul 31, 2014	0.993305
Aug 01, 2014	Aug 29, 2014	0.993305
Sep 02, 2014	Sep 30, 2014	0.993305
Oct 01, 2014	Oct 31, 2014	0.993305
Nov 03, 2014	Nov 28, 2014	0.993305
Dec 01, 2014	Dec 31, 2014	0.993305
Jan 02, 2015	Jan 30, 2015	0.993305
Feb 02, 2015	Feb 27, 2015	0.993305
Mar 02, 2015	Mar 31, 2015	0.993305
Apr 01, 2015	Apr 30, 2015	0.993305
May 01, 2015	May 29, 2015	0.993305
Jun 01, 2015		0.993305
	•	

B2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.999845
Jul 02, 2007	Jul 31, 2007	0.999688
Aug 01, 2007	Aug 31, 2007	0.999529
Sep 04, 2007	Sep 28, 2007	0.999368
Oct 01, 2007	Oct 31, 2007	
Nov 01, 2007	Nov 30, 2007	0.999207
Dec 03, 2007	Dec 31, 2007	0.999037
Jan 02, 2008	Jan 31, 2008	0.998866
Feb 01, 2008	Feb 29, 2008	0.998687
Mar 03, 2008	Mar 31, 2008	0.998511
		0.998332
Apr 01, 2008	Apr 30, 2008	0.998145
May 01, 2008	May 30, 2008	0.997953
Jun 02, 2008	Jun 30, 2008	0.997762
Jul 01, 2008	Jul 31, 2008	0.997570
Aug 01, 2008	Aug 29, 2008	0.997371
Sep 02, 2008	Sep 30, 2008	0.997169
Oct 01, 2008	Oct 31, 2008	0.996962
Nov 03, 2008	Nov 28, 2008	0.996756
Dec 01, 2008	Dec 31, 2008	0.996552
Jan 02, 2009	Jan 30, 2009	0.996346
Feb 02, 2009	Feb 27, 2009	0.996136
Mar 02, 2009	Mar 31, 2009	0.995926
Apr 01, 2009	Apr 30, 2009	0.995714
May 01, 2009	May 29, 2009	0.995494
Jun 01, 2009	Jun 30, 2009	0.995277
Jul 01, 2009	Jul 31, 2009	
Aug 03, 2009	Aug 31, 2009	0.995054
Sep 01, 2009	Sep 30, 2009	0.994830
Oct 01, 2009	Oct 30, 2009	0.994605 0.994387
Nov 02, 2009	Nov 30, 2009	0.994387
Dec 01, 2009	Dec 31, 2009	
Jan 04, 2010	Jan 29, 2010	0.993959
Feb 01, 2010	Feb 26, 2010	0.993959
Mar 01, 2010	Mar 31, 2010	
Apr 01, 2010	Apr 30, 2010	0.993959
May 03, 2010	May 28, 2010	0.993959
Jun 01, 2010	Jun 30, 2010	0.993959
Jul 01, 2010	Jul 30, 2010	0.993959
Aug 02, 2010	Aug 31, 2010	0.993959
Sep 01, 2010	Sep 30, 2010	0.993959
Oct 01, 2010	Oct 29, 2010	0.993959
Nov 01, 2010	Nov 30, 2010	0.993959
Dec 01, 2010	Dec 31, 2010	0.993959
Jan 03, 2011	Jan 31, 2011	
Feb 01, 2011	Feb 28, 2011	0.993959
Mar 01, 2011	Mar 31, 2011	0.993959
Apr 01, 2011	Apr 29, 2011	0.993959
May 02, 2011	May 31, 2011	0.993959
Jun 01, 2011	Jun 30, 2011	0.993959
Jul 01, 2011	Jul 29, 2011	0.993959
	JUI 23, 2011	0.993959

B2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.993959
Sep 01, 2011	Sep 30, 2011	0.993959
Oct 03, 2011	Oct 31, 2011	0.993959
Nov 01, 2011	Nov 30, 2011	0.993959
Dec 01, 2011	Dec 30, 2011	0.993959
Jan 03, 2012	Jan 31, 2012	0.993959
Feb 01, 2012	Feb 29, 2012	0.993959
Mar 01, 2012	Mar 30, 2012	0.993959
Apr 02, 2012	Apr 30, 2012	0.993959
May 01, 2012	May 31, 2012	0.993959
Jun 01, 2012	Jun 29, 2012	0.993959
Jul 02, 2012	Jul 31, 2012	0.993959
Aug 01, 2012	Aug 31, 2012	0.993959
Sep 04, 2012	Sep 28, 2012	0.993959
Oct 01, 2012	Oct 31, 2012	0.993959
Nov 01, 2012	Nov 30, 2012	0.993959
Dec 03, 2012	Dec 31, 2012	0.993959
Jan 02, 2013	Jan 31, 2013	0.993959
Feb 01, 2013	Feb 28, 2013	0.993959
Mar 01, 2013	Mar 29, 2013	0.993959
Apr 01, 2013	Apr 30, 2013	0.993959
May 01, 2013	May 31, 2013	0.993959
Jun 03, 2013	Jun 28, 2013	0.993959
Jul 01, 2013	Jul 31, 2013	0.993959
Aug 01, 2013	Aug 30, 2013	0.993959
Sep 03, 2013	Sep 30, 2013	0.993959
Oct 01, 2013	Oct 31, 2013	0.993959
Nov 01, 2013	Nov 29, 2013	0.993959
Dec 02, 2013	Dec 31, 2013	0.993959
Jan 02, 2014	Jan 31, 2014	0.993959
Feb 03, 2014	Feb 28, 2014	0.993959
Mar 03, 2014	Mar 31, 2014	0.993959
Apr 01, 2014	Apr 30, 2014	0.993959
May 01, 2014	May 30, 2014	0.993959
Jun 02, 2014	Jun 30, 2014	0.993959
Jul 01, 2014	Jul 31, 2014	0.993959
Aug 01, 2014	Aug 29, 2014	0.993959
Sep 02, 2014	Sep 30, 2014	0.993959
Oct 01, 2014	Oct 31, 2014	0.993959
Nov 03, 2014	Nov 28, 2014	0.993959
Dec 01, 2014	Dec 31, 2014	0.993959
Jan 02, 2015	Jan 30, 2015	0.993959
Feb 02, 2015	Feb 27, 2015	0.993959
Mar 02, 2015	Mar 31, 2015	0.993959
Apr 01, 2015	Apr 30, 2015	0.993959
May 01, 2015	May 29, 2015	0.993959
Jun 01, 2015	. ,	
- , ,		0.993959

B3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.999845
Jul 02, 2007	Jul 31, 2007	0.999688
Aug 01, 2007	Aug 31, 2007	0.999529
Sep 04, 2007	Sep 28, 2007	0.999368
Oct 01, 2007	Oct 31, 2007	
Nov 01, 2007	Nov 30, 2007	0.999207
Dec 03, 2007	Dec 31, 2007	0.999037
Jan 02, 2008	Jan 31, 2008	0.998866
Feb 01, 2008	Feb 29, 2008	0.998687
Mar 03, 2008	Mar 31, 2008	0.998511
		0.998332
Apr 01, 2008	Apr 30, 2008	0.998145
May 01, 2008	May 30, 2008	0.997953
Jun 02, 2008	Jun 30, 2008	0.997762
Jul 01, 2008	Jul 31, 2008	0.997570
Aug 01, 2008	Aug 29, 2008	0.997371
Sep 02, 2008	Sep 30, 2008	0.997169
Oct 01, 2008	Oct 31, 2008	0.996962
Nov 03, 2008	Nov 28, 2008	0.996756
Dec 01, 2008	Dec 31, 2008	0.996552
Jan 02, 2009	Jan 30, 2009	0.996346
Feb 02, 2009	Feb 27, 2009	0.996136
Mar 02, 2009	Mar 31, 2009	0.995926
Apr 01, 2009	Apr 30, 2009	0.995714
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	0.995494
Jul 01, 2009	Jul 31, 2009	0.995277
Aug 03, 2009	Aug 31, 2009	0.995054
Sep 01, 2009	Sep 30, 2009	0.994830
Oct 01, 2009	Oct 30, 2009	0.994830
Nov 02, 2009	Nov 30, 2009	0.994830
Dec 01, 2009	Dec 31, 2009	0.994830
Jan 04, 2010	Jan 29, 2010	0.994830
Feb 01, 2010	Feb 26, 2010	0.994830
Mar 01, 2010	Mar 31, 2010	0.994830
Apr 01, 2010	Apr 30, 2010	0.994830
May 03, 2010	May 28, 2010	0.994830
Jun 01, 2010	Jun 30, 2010	0.994830
Jul 01, 2010	Jul 30, 2010	0.994830
		0.994830
Aug 02, 2010	Aug 31, 2010 Sep 30, 2010	0.994830
Sep 01, 2010	Oct 29, 2010	0.994830
Oct 01, 2010	,	0.994830
Nov 01, 2010 Dec 01, 2010	Nov 30, 2010 Dec 31, 2010	0.994830
	· · · · · · · · · · · · · · · · · · ·	0.994830
Jan 03, 2011	Jan 31, 2011	0.994830
Feb 01, 2011	Feb 28, 2011	0.994830
Mar 01, 2011	Mar 31, 2011	0.994830
Apr 01, 2011	Apr 29, 2011	0.994830
May 02, 2011	May 31, 2011	0.994830
Jun 01, 2011	Jun 30, 2011	0.994830
Jul 01, 2011	Jul 29, 2011	0.994830

B3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.994830
Sep 01, 2011	Sep 30, 2011	0.994830
Oct 03, 2011	Oct 31, 2011	0.994830
Nov 01, 2011	Nov 30, 2011	0.994830
Dec 01, 2011	Dec 30, 2011	0.994830
Jan 03, 2012	Jan 31, 2012	0.994830
Feb 01, 2012	Feb 29, 2012	0.994830
Mar 01, 2012	Mar 30, 2012	0.994830
Apr 02, 2012	Apr 30, 2012	0.994830
May 01, 2012	May 31, 2012	0.994830
Jun 01, 2012	Jun 29, 2012	0.994830
Jul 02, 2012	Jul 31, 2012	0.994830
Aug 01, 2012	Aug 31, 2012	0.994830
Sep 04, 2012	Sep 28, 2012	0.994830
Oct 01, 2012	Oct 31, 2012	0.994830
Nov 01, 2012	Nov 30, 2012	0.994830
Dec 03, 2012	Dec 31, 2012	0.994830
Jan 02, 2013	Jan 31, 2013	0.994830
Feb 01, 2013	Feb 28, 2013	0.994830
Mar 01, 2013	Mar 29, 2013	0.994830
Apr 01, 2013	Apr 30, 2013	0.994830
May 01, 2013	May 31, 2013	0.994830
Jun 03, 2013	Jun 28, 2013	0.994830
Jul 01, 2013	Jul 31, 2013	0.994830
Aug 01, 2013	Aug 30, 2013	0.994830
Sep 03, 2013	Sep 30, 2013	0.994830
Oct 01, 2013	Oct 31, 2013	0.994830
Nov 01, 2013	Nov 29, 2013	0.994830
Dec 02, 2013	Dec 31, 2013	0.994830
Jan 02, 2014	Jan 31, 2014	0.994830
Feb 03, 2014	Feb 28, 2014	0.994830
Mar 03, 2014	Mar 31, 2014	0.994830
Apr 01, 2014	Apr 30, 2014	0.994830
May 01, 2014	May 30, 2014	0.994830
Jun 02, 2014	Jun 30, 2014	0.994830
Jul 01, 2014	Jul 31, 2014	0.994830
Aug 01, 2014	Aug 29, 2014	0.994830
Sep 02, 2014	Sep 30, 2014	0.994830
Oct 01, 2014	Oct 31, 2014	0.994830
Nov 03, 2014	Nov 28, 2014	0.994830
Dec 01, 2014	Dec 31, 2014	0.994830
Jan 02, 2015	Jan 30, 2015	0.994830
Feb 02, 2015	Feb 27, 2015	0.994830
Mar 02, 2015	Mar 31, 2015	0.994830
Apr 01, 2015	Apr 30, 2015	0.994830
May 01, 2015	May 29, 2015	0.994830
Jun 01, 2015		0.994830
		0.557030

2A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.986446
Jul 02, 2007	Jul 31, 2007	0.982093
Aug 01, 2007	Aug 31, 2007	0.964958
Sep 04, 2007	Sep 28, 2007	0.957387
Oct 01, 2007	Oct 31, 2007	0.947866
Nov 01, 2007	Nov 30, 2007	0.936861
Dec 03, 2007	Dec 31, 2007	0.925563
Jan 02, 2008	Jan 31, 2008	0.914847
Feb 01, 2008	Feb 29, 2008	0.888769
Mar 03, 2008	Mar 31, 2008	0.858185
Apr 01, 2008	Apr 30, 2008	0.824346
May 01, 2008	May 30, 2008	0.793336
Jun 02, 2008	Jun 30, 2008	0.781968
Jul 01, 2008	Jul 31, 2008	
Aug 01, 2008	Aug 29, 2008	0.762823
Sep 02, 2008	Sep 30, 2008	0.744253
Oct 01, 2008	Oct 31, 2008	0.711141
Nov 03, 2008	Nov 28, 2008	0.701597
Dec 01, 2008	Dec 31, 2008	0.694459
Jan 02, 2009	Jan 30, 2009	0.688891
Feb 02, 2009	Feb 27, 2009	0.684504
	Mar 31, 2009	0.677189
Mar 02, 2009		0.666160
Apr 01, 2009	Apr 30, 2009	0.630055
May 01, 2009	May 29, 2009	0.617343
Jun 01, 2009	Jun 30, 2009	0.587017
Jul 01, 2009	Jul 31, 2009	0.562491
Aug 03, 2009	Aug 31, 2009	0.548797
Sep 01, 2009	Sep 30, 2009	0.537908
Oct 01, 2009	Oct 30, 2009	0.530016
Nov 02, 2009	Nov 30, 2009	0.514666
Dec 01, 2009	Dec 31, 2009	0.489817
Jan 04, 2010	Jan 29, 2010	0.467651
Feb 01, 2010	Feb 26, 2010	0.462438
Mar 01, 2010	Mar 31, 2010	0.452980
Apr 01, 2010	Apr 30, 2010	0.450641
May 03, 2010	May 28, 2010	0.434792
Jun 01, 2010	Jun 30, 2010	0.421693
Jul 01, 2010	Jul 30, 2010	0.398743
Aug 02, 2010	Aug 31, 2010	0.374774
Sep 01, 2010	Sep 30, 2010	0.367710
Oct 01, 2010	Oct 29, 2010	0.352775
Nov 01, 2010	Nov 30, 2010	0.332240
Dec 01, 2010	Dec 31, 2010	0.308098
Jan 03, 2011	Jan 31, 2011	0.286083
Feb 01, 2011	Feb 28, 2011	0.255713
Mar 01, 2011	Mar 31, 2011	0.242326
Apr 01, 2011	Apr 29, 2011	0.229930
May 02, 2011	May 31, 2011	0.225095
Jun 01, 2011	Jun 30, 2011	0.215104
Jul 01, 2011	Jul 29, 2011	0.190874

2A1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.187069
Sep 01, 2011	Sep 30, 2011	0.183567
Oct 03, 2011	Oct 31, 2011	0.181455
Nov 01, 2011	Nov 30, 2011	0.179712
Dec 01, 2011	Dec 30, 2011	0.177797
Jan 03, 2012	Jan 31, 2012	0.175309
Feb 01, 2012	Feb 29, 2012	0.170860
Mar 01, 2012	Mar 30, 2012	0.169536
Apr 02, 2012	Apr 30, 2012	0.166617
May 01, 2012	May 31, 2012	0.164643
Jun 01, 2012	Jun 29, 2012	0.162395
Jul 02, 2012	Jul 31, 2012	0.159663
Aug 01, 2012	Aug 31, 2012	0.157585
Sep 04, 2012	Sep 28, 2012	0.156451
Oct 01, 2012	Oct 31, 2012	0.154301
Nov 01, 2012	Nov 30, 2012	0.152441
Dec 03, 2012	Dec 31, 2012	0.150236
Jan 02, 2013	Jan 31, 2013	0.147985
Feb 01, 2013	Feb 28, 2013	0.143364
Mar 01, 2013	Mar 29, 2013	0.141867
Apr 01, 2013	Apr 30, 2013	0.140050
May 01, 2013	May 31, 2013	0.137046
Jun 03, 2013	Jun 28, 2013	0.134134
Jul 01, 2013	Jul 31, 2013	0.133131
Aug 01, 2013	Aug 30, 2013	0.130641
Sep 03, 2013	Sep 30, 2013	0.128466
Oct 01, 2013	Oct 31, 2013	0.126623
Nov 01, 2013	Nov 29, 2013	0.123617
Dec 02, 2013	Dec 31, 2013	0.121683
Jan 02, 2014	Jan 31, 2014	0.120391
Feb 03, 2014	Feb 28, 2014	0.119438
Mar 03, 2014	Mar 31, 2014	0.119248
Apr 01, 2014	Apr 30, 2014	0.117976
May 01, 2014	May 30, 2014	0.116845
Jun 02, 2014	Jun 30, 2014	0.115372
Jul 01, 2014	Jul 31, 2014	0.114166
Aug 01, 2014	Aug 29, 2014	0.112321
Sep 02, 2014	Sep 30, 2014	0.110625
Oct 01, 2014	Oct 31, 2014	0.109692
Nov 03, 2014	Nov 28, 2014	0.109028
Dec 01, 2014	Dec 31, 2014	0.109028
Jan 02, 2015	Jan 30, 2015	0.107747
Feb 02, 2015	Feb 27, 2015	0.107262
Mar 02, 2015	Mar 31, 2015	0.106081
Apr 01, 2015	Apr 30, 2015	0.105844
May 01, 2015	May 29, 2015	0.105039
Jun 01, 2015		0.103452

2A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
	Sep 30, 2008	1.000000
Sep 02, 2008	. ,	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000

JP Morgan Mortgage Trust 2007-A4

2A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.980065
Sep 01, 2011	Sep 30, 2011	0.961720
Oct 03, 2011	Oct 31, 2011	0.950653
Nov 01, 2011	Nov 30, 2011	0.941522
Dec 01, 2011	Dec 30, 2011	0.931488
Jan 03, 2012	Jan 31, 2012	0.918454
Feb 01, 2012	Feb 29, 2012	0.895145
Mar 01, 2012	Mar 30, 2012	0.888211
Apr 02, 2012	Apr 30, 2012	0.872917
May 01, 2012	May 31, 2012	0.862573
Jun 01, 2012	Jun 29, 2012	0.850796
Jul 02, 2012	Jul 31, 2012	0.836484
Aug 01, 2012	Aug 31, 2012	0.825596
Sep 04, 2012	Sep 28, 2012	0.819658
Oct 01, 2012	Oct 31, 2012	0.808394
Nov 01, 2012	Nov 30, 2012	0.798646
Dec 03, 2012	Dec 31, 2012	0.787097
Jan 02, 2013	Jan 31, 2013	0.775302
Feb 01, 2013	Feb 28, 2013	0.751093
Mar 01, 2013	Mar 29, 2013	0.743250
Apr 01, 2013	Apr 30, 2013	0.733731
May 01, 2013	May 31, 2013	0.717992
Jun 03, 2013	Jun 28, 2013	0.702735
Jul 01, 2013	Jul 31, 2013	0.697482
Aug 01, 2013	Aug 30, 2013	0.684436
Sep 03, 2013	Sep 30, 2013	0.673039
Oct 01, 2013	Oct 31, 2013	0.663386
Nov 01, 2013	Nov 29, 2013	0.647637
Dec 02, 2013	Dec 31, 2013	0.637504
Jan 02, 2014	Jan 31, 2014	0.630737
Feb 03, 2014	Feb 28, 2014	0.625746
Mar 03, 2014	Mar 31, 2014	0.624749
Apr 01, 2014	Apr 30, 2014	0.618086
May 01, 2014	May 30, 2014	0.612160
Jun 02, 2014	Jun 30, 2014	0.604441
Jul 01, 2014	Jul 31, 2014	0.598122
Aug 01, 2014	Aug 29, 2014	0.588456
Sep 02, 2014	Sep 30, 2014	0.579573
Oct 01, 2014	Oct 31, 2014	0.574685
Nov 03, 2014	Nov 28, 2014	0.571205
Dec 01, 2014	Dec 31, 2014	0.571205
Jan 02, 2015	Jan 30, 2015	0.564495
Feb 02, 2015	Feb 27, 2015	0.561950
Mar 02, 2015	Mar 31, 2015	0.555763
Apr 01, 2015	Apr 30, 2015	0.554525
May 01, 2015	May 29, 2015	0.550307
Jun 01, 2015		0.541990
	·	

2A3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
		1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000

2A3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.980065
Sep 01, 2011	Sep 30, 2011	0.961720
Oct 03, 2011	Oct 31, 2011	0.950653
Nov 01, 2011	Nov 30, 2011	0.941522
Dec 01, 2011	Dec 30, 2011	0.931488
Jan 03, 2012	Jan 31, 2012	0.918454
Feb 01, 2012	Feb 29, 2012	0.895145
Mar 01, 2012	Mar 30, 2012	0.888211
Apr 02, 2012	Apr 30, 2012	0.872917
May 01, 2012	May 31, 2012	0.862573
Jun 01, 2012	Jun 29, 2012	0.850796
Jul 02, 2012	Jul 31, 2012	0.836484
Aug 01, 2012	Aug 31, 2012	0.825596
Sep 04, 2012	Sep 28, 2012	0.819658
Oct 01, 2012	Oct 31, 2012	0.808394
Nov 01, 2012	Nov 30, 2012	0.798646
Dec 03, 2012	Dec 31, 2012	0.787097
Jan 02, 2013	Jan 31, 2013	0.775302
Feb 01, 2013	Feb 28, 2013	0.751093
Mar 01, 2013	Mar 29, 2013	0.743250
Apr 01, 2013	Apr 30, 2013	0.733731
May 01, 2013	May 31, 2013	0.717992
Jun 03, 2013	Jun 28, 2013	0.702735
Jul 01, 2013	Jul 31, 2013	0.697482
Aug 01, 2013	Aug 30, 2013	0.684436
Sep 03, 2013	Sep 30, 2013	0.673039
Oct 01, 2013	Oct 31, 2013	0.663386
Nov 01, 2013	Nov 29, 2013	0.647637
Dec 02, 2013	Dec 31, 2013	0.637504
Jan 02, 2014	Jan 31, 2014	0.630737
Feb 03, 2014	Feb 28, 2014	0.625746
Mar 03, 2014	Mar 31, 2014	0.624749
Apr 01, 2014	Apr 30, 2014	0.618086
May 01, 2014	May 30, 2014	0.612160
Jun 02, 2014	Jun 30, 2014	0.604441
Jul 01, 2014	Jul 31, 2014	0.598122
Aug 01, 2014	Aug 29, 2014	0.588456
Sep 02, 2014	Sep 30, 2014	0.579573
Oct 01, 2014	Oct 31, 2014	0.574685
Nov 03, 2014	Nov 28, 2014	0.571205
Dec 01, 2014	Dec 31, 2014	0.571205
Jan 02, 2015	Jan 30, 2015	0.564495
Feb 02, 2015	Feb 27, 2015	0.561950
Mar 02, 2015	Mar 31, 2015	0.555763
Apr 01, 2015	Apr 30, 2015	0.554525
May 01, 2015	May 29, 2015	0.550307
Jun 01, 2015		0.541990
-		

2A4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.992143
Jul 02, 2007	Jul 31, 2007	0.989620
Aug 01, 2007	Aug 31, 2007	0.979687
Sep 04, 2007	Sep 28, 2007	0.975299
Oct 01, 2007	Oct 31, 2007	0.969779
Nov 01, 2007	Nov 30, 2007	
Dec 03, 2007	Dec 31, 2007	0.963401
Jan 02, 2008	Jan 31, 2008	0.956851
Feb 01, 2008	Feb 29, 2008	0.950639
Mar 03, 2008	Mar 31, 2008	0.935523
Apr 01, 2008	Apr 30, 2008	0.917795
		0.898179
May 01, 2008	May 30, 2008	0.880203
Jun 02, 2008	Jun 30, 2008	0.873614
Jul 01, 2008	Jul 31, 2008	0.862516
Aug 01, 2008	Aug 29, 2008	0.851751
Sep 02, 2008	Sep 30, 2008	0.832558
Oct 01, 2008	Oct 31, 2008	0.827025
Nov 03, 2008	Nov 28, 2008	0.822888
Dec 01, 2008	Dec 31, 2008	0.819660
Jan 02, 2009	Jan 30, 2009	0.817117
Feb 02, 2009	Feb 27, 2009	0.812877
Mar 02, 2009	Mar 31, 2009	0.806483
Apr 01, 2009	Apr 30, 2009	0.785555
May 01, 2009	May 29, 2009	0.778186
Jun 01, 2009	Jun 30, 2009	0.760607
Jul 01, 2009	Jul 31, 2009	
Aug 03, 2009	Aug 31, 2009	0.746390
Sep 01, 2009	Sep 30, 2009	0.738452
Oct 01, 2009	Oct 30, 2009	0.732140 0.727565
Nov 02, 2009	Nov 30, 2009	
Dec 01, 2009	Dec 31, 2009	0.718668
Jan 04, 2010	Jan 29, 2010	
Feb 01, 2010	Feb 26, 2010	0.691415
Mar 01, 2010	Mar 31, 2010	0.688393
Apr 01, 2010	Apr 30, 2010	0.682910
May 03, 2010	May 28, 2010	0.681554
Jun 01, 2010	Jun 30, 2010	0.672367
Jul 01, 2010	Jul 30, 2010	0.664774
Aug 02, 2010	Aug 31, 2010	0.651471
Sep 01, 2010	Sep 30, 2010	0.637577
Oct 01, 2010	Oct 29, 2010	0.633482
Nov 01, 2010	Nov 30, 2010	0.624824
Dec 01, 2010	Dec 31, 2010	0.612921
Jan 03, 2011	Jan 31, 2011	0.598927
Feb 01, 2011	Feb 28, 2011	0.586165
Mar 01, 2011	Mar 31, 2011	0.568561
Apr 01, 2011	Apr 29, 2011	0.560801
May 02, 2011	May 31, 2011	0.553615
Jun 01, 2011	Jun 30, 2011	0.550813
Jul 01, 2011	Jul 29, 2011	0.545021
Jul U1, 2U11	Jul 23, 2011	0.530976

JP Morgan Mortgage Trust 2007-A4

2A4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.520940
Sep 01, 2011	Sep 30, 2011	0.512840
Oct 03, 2011	Oct 31, 2011	0.508394
Nov 01, 2011	Nov 30, 2011	0.504963
Dec 01, 2011	Dec 30, 2011	0.501479
Jan 03, 2012	Jan 31, 2012	0.497515
Feb 01, 2012	Feb 29, 2012	0.491628
Mar 01, 2012	Mar 30, 2012	0.490187
Apr 02, 2012	Apr 30, 2012	0.487678
May 01, 2012	May 31, 2012	0.486636
Jun 01, 2012	Jun 29, 2012	0.485932
Jul 02, 2012	Jul 31, 2012	0.485081
Aug 01, 2012	Aug 31, 2012	0.485081
Sep 04, 2012	Sep 28, 2012	0.485081
Oct 01, 2012	Oct 31, 2012	0.485081
Nov 01, 2012	Nov 30, 2012	0.485081
Dec 03, 2012	Dec 31, 2012	0.485081
Jan 02, 2013	Jan 31, 2013	0.485081
Feb 01, 2013	Feb 28, 2013	0.485081
Mar 01, 2013	Mar 29, 2013	0.485081
Apr 01, 2013	Apr 30, 2013	0.485081
May 01, 2013	May 31, 2013	0.485081
Jun 03, 2013	Jun 28, 2013	0.485081
Jul 01, 2013	Jul 31, 2013	0.485081
Aug 01, 2013	Aug 30, 2013	0.485081
Sep 03, 2013	Sep 30, 2013	0.485081
Oct 01, 2013	Oct 31, 2013	0.485081
Nov 01, 2013	Nov 29, 2013	0.485081
Dec 02, 2013	Dec 31, 2013	0.485081
Jan 02, 2014	Jan 31, 2014	0.485081
Feb 03, 2014	Feb 28, 2014	0.485081
Mar 03, 2014	Mar 31, 2014	0.485081
Apr 01, 2014	Apr 30, 2014	0.485081
May 01, 2014	May 30, 2014	0.485081
Jun 02, 2014	Jun 30, 2014	0.485081
Jul 01, 2014	Jul 31, 2014	0.485081
Aug 01, 2014	Aug 29, 2014	0.485081
Sep 02, 2014	Sep 30, 2014	0.485081
Oct 01, 2014	Oct 31, 2014	0.485081
Nov 03, 2014	Nov 28, 2014	0.485081
Dec 01, 2014	Dec 31, 2014	0.485081
Jan 02, 2015	Jan 30, 2015	0.485081
Feb 02, 2015	Feb 27, 2015	0.485081
Mar 02, 2015	Mar 31, 2015	0.485081
Apr 01, 2015	Apr 30, 2015	0.485081
May 01, 2015	May 29, 2015	0.485081
Jun 01, 2015		0.485081
	-	

JP Morgan Mortgage Trust 2007-A4

3A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.996633
Jul 02, 2007	Jul 31, 2007	0.992169
Aug 01, 2007	Aug 31, 2007	0.988378
Sep 04, 2007	Sep 28, 2007	0.982443
Oct 01, 2007	Oct 31, 2007	0.977453
Nov 01, 2007	Nov 30, 2007	0.976009
Dec 03, 2007	Dec 31, 2007	0.971239
Jan 02, 2008	Jan 31, 2008	0.964292
Feb 01, 2008	Feb 29, 2008	0.963231
Mar 03, 2008	Mar 31, 2008	0.952439
Apr 01, 2008	Apr 30, 2008	0.945530
May 01, 2008	May 30, 2008	
Jun 02, 2008	Jun 30, 2008	0.936888
Jul 01, 2008	Jul 31, 2008	0.929470
Aug 01, 2008	Aug 29, 2008	0.920613
Sep 02, 2008	Sep 30, 2008	0.917308
Oct 01, 2008	Oct 31, 2008	0.913309
Nov 03, 2008	Nov 28, 2008	0.902329
Dec 01, 2008	Dec 31, 2008	0.892046
Jan 02, 2009	· · · · · · · · · · · · · · · · · · ·	0.891595
	Jan 30, 2009	0.881800
Feb 02, 2009	Feb 27, 2009	0.866446
Mar 02, 2009	Mar 31, 2009	0.840804
Apr 01, 2009	Apr 30, 2009	0.836645
May 01, 2009	May 29, 2009	0.816777
Jun 01, 2009	Jun 30, 2009	0.805860
Jul 01, 2009	Jul 31, 2009	0.795008
Aug 03, 2009	Aug 31, 2009	0.781448
Sep 01, 2009	Sep 30, 2009	0.755989
Oct 01, 2009	Oct 30, 2009	0.746233
Nov 02, 2009	Nov 30, 2009	0.737459
Dec 01, 2009	Dec 31, 2009	0.726246
Jan 04, 2010	Jan 29, 2010	0.716778
Feb 01, 2010	Feb 26, 2010	0.712622
Mar 01, 2010	Mar 31, 2010	0.705850
Apr 01, 2010	Apr 30, 2010	0.693859
May 03, 2010	May 28, 2010	0.664974
Jun 01, 2010	Jun 30, 2010	0.661019
Jul 01, 2010	Jul 30, 2010	0.640534
Aug 02, 2010	Aug 31, 2010	0.629781
Sep 01, 2010	Sep 30, 2010	0.613680
Oct 01, 2010	Oct 29, 2010	0.593910
Nov 01, 2010	Nov 30, 2010	0.587776
Dec 01, 2010	Dec 31, 2010	0.574313
Jan 03, 2011	Jan 31, 2011	0.558404
Feb 01, 2011	Feb 28, 2011	0.533156
Mar 01, 2011	Mar 31, 2011	0.528762
Apr 01, 2011	Apr 29, 2011	0.503618
May 02, 2011	May 31, 2011	0.485216
Jun 01, 2011	Jun 30, 2011	0.471358
Jul 01, 2011	Jul 29, 2011	0.437673

JP Morgan Mortgage Trust 2007-A4

3A2 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.428990
Sep 01, 2011	Sep 30, 2011	0.421000
Oct 03, 2011	Oct 31, 2011	0.416253
Nov 01, 2011	Nov 30, 2011	0.412585
Dec 01, 2011	Dec 30, 2011	0.408553
Jan 03, 2012	Jan 31, 2012	0.403633
Feb 01, 2012	Feb 29, 2012	0.394835
Mar 01, 2012	Mar 30, 2012	0.392314
Apr 02, 2012	Apr 30, 2012	0.387250
May 01, 2012	May 31, 2012	0.383949
Jun 01, 2012	Jun 29, 2012	0.380446
Jul 02, 2012	Jul 31, 2012	0.376412
Aug 01, 2012	Aug 31, 2012	0.373881
Sep 04, 2012	Sep 28, 2012	0.372494
Oct 01, 2012	Oct 31, 2012	0.369860
Nov 01, 2012	Nov 30, 2012	0.368327
Dec 03, 2012	Dec 31, 2012	0.367389
Jan 02, 2013	Jan 31, 2013	0.366430
Feb 01, 2013	Feb 28, 2013	0.365169
Mar 01, 2013	Mar 29, 2013	0.364756
Apr 01, 2013	Apr 30, 2013	0.364251
May 01, 2013	May 31, 2013	0.363474
Jun 03, 2013	Jun 28, 2013	0.363474
Jul 01, 2013	Jul 31, 2013	0.363474
Aug 01, 2013	Aug 30, 2013	0.363474
Sep 03, 2013	Sep 30, 2013	0.363474
Oct 01, 2013	Oct 31, 2013	0.363474
Nov 01, 2013	Nov 29, 2013	0.363474
Dec 02, 2013	Dec 31, 2013	0.363474
Jan 02, 2014	Jan 31, 2014	0.363474
Feb 03, 2014	Feb 28, 2014	0.363474
Mar 03, 2014	Mar 31, 2014	0.363474
Apr 01, 2014	Apr 30, 2014	0.363474
May 01, 2014	May 30, 2014	0.363474
Jun 02, 2014	Jun 30, 2014	0.363474
Jul 01, 2014	Jul 31, 2014	0.363474
Aug 01, 2014	Aug 29, 2014	0.363474
Sep 02, 2014	Sep 30, 2014	0.363474
Oct 01, 2014	Oct 31, 2014	0.363474
Nov 03, 2014	Nov 28, 2014	0.363474
Dec 01, 2014	Dec 31, 2014	0.363474
Jan 02, 2015	Jan 30, 2015	0.363474
Feb 02, 2015	Feb 27, 2015	0.363474
Mar 02, 2015	Mar 31, 2015	0.363474
Apr 01, 2015	Apr 30, 2015	0.363474
May 01, 2015	May 29, 2015	0.363474
Jun 01, 2015		0.363474

3A3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.995517
Jul 02, 2007	Jul 31, 2007	0.989571
Aug 01, 2007	Aug 31, 2007	0.984522
Sep 04, 2007	Sep 28, 2007	0.976618
Oct 01, 2007	Oct 31, 2007	0.969974
Nov 01, 2007	Nov 30, 2007	0.968050
Dec 03, 2007	Dec 31, 2007	0.961698
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.952446
Mar 03, 2008	Mar 31, 2008	0.951034
Apr 01, 2008	Apr 30, 2008	0.936662
May 01, 2008	May 30, 2008	0.927460
Jun 02, 2008	Jun 30, 2008	0.915952
Jul 01, 2008	Jul 31, 2008	0.906073
Aug 01, 2008	Aug 29, 2008	0.894278
	Sep 30, 2008	0.889877
Sep 02, 2008	. ,	0.884551
Oct 01, 2008	Oct 31, 2008	0.869929
Nov 03, 2008	Nov 28, 2008	0.856234
Dec 01, 2008	Dec 31, 2008	0.855633
Jan 02, 2009	Jan 30, 2009	0.842589
Feb 02, 2009	Feb 27, 2009	0.822142
Mar 02, 2009	Mar 31, 2009	0.787994
Apr 01, 2009	Apr 30, 2009	0.782455
May 01, 2009	May 29, 2009	0.755996
Jun 01, 2009	Jun 30, 2009	0.741457
Jul 01, 2009	Jul 31, 2009	0.727006
Aug 03, 2009	Aug 31, 2009	0.708947
Sep 01, 2009	Sep 30, 2009	0.675043
Oct 01, 2009	Oct 30, 2009	0.662051
Nov 02, 2009	Nov 30, 2009	0.650366
Dec 01, 2009	Dec 31, 2009	0.635433
Jan 04, 2010	Jan 29, 2010	0.622825
Feb 01, 2010	Feb 26, 2010	0.617289
Mar 01, 2010	Mar 31, 2010	0.608272
Apr 01, 2010	Apr 30, 2010	0.592302
May 03, 2010	May 28, 2010	0.553836
Jun 01, 2010	Jun 30, 2010	0.548568
Jul 01, 2010	Jul 30, 2010	0.521288
Aug 02, 2010	Aug 31, 2010	0.506968
Sep 01, 2010	Sep 30, 2010	0.485525
Oct 01, 2010	Oct 29, 2010	0.459197
Nov 01, 2010	Nov 30, 2010	0.451029
Dec 01, 2010	Dec 31, 2010	0.433099
Jan 03, 2011	Jan 31, 2011	0.411913
Feb 01, 2011	Feb 28, 2011	0.378289
Mar 01, 2011	Mar 31, 2011	0.372438
Apr 01, 2011	Apr 29, 2011	0.338953
May 02, 2011	May 31, 2011	0.314445
Jun 01, 2011	Jun 30, 2011	0.295991
Jul 01, 2011	Jul 29, 2011	0.251131

JP Morgan Mortgage Trust 2007-A4

3A3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.246125
Sep 01, 2011	Sep 30, 2011	0.241518
Oct 03, 2011	Oct 31, 2011	0.238738
Nov 01, 2011	Nov 30, 2011	0.236445
Dec 01, 2011	Dec 30, 2011	0.233926
Jan 03, 2012	Jan 31, 2012	0.230652
Feb 01, 2012	Feb 29, 2012	0.224799
Mar 01, 2012	Mar 30, 2012	0.223057
Apr 02, 2012	Apr 30, 2012	0.219217
May 01, 2012	May 31, 2012	0.216619
Jun 01, 2012	Jun 29, 2012	0.213661
Jul 02, 2012	Jul 31, 2012	0.210067
Aug 01, 2012	Aug 31, 2012	0.207323
Sep 04, 2012	Sep 28, 2012	0.205820
Oct 01, 2012	Oct 31, 2012	0.202965
Nov 01, 2012	Nov 30, 2012	0.200489
Dec 03, 2012	Dec 31, 2012	0.197555
Jan 02, 2013	Jan 31, 2013	0.194553
Feb 01, 2013	Feb 28, 2013	0.188329
Mar 01, 2013	Mar 29, 2013	0.186313
Apr 01, 2013	Apr 30, 2013	0.183858
May 01, 2013	May 31, 2013	0.179791
Jun 03, 2013	Jun 28, 2013	0.175862
Jul 01, 2013	Jul 31, 2013	0.174509
Aug 01, 2013	Aug 30, 2013	0.171126
Sep 03, 2013	Sep 30, 2013	0.168180
Oct 01, 2013	Oct 31, 2013	0.165683
Nov 01, 2013	Nov 29, 2013	0.161610
Dec 02, 2013	Dec 31, 2013	0.158984
Jan 02, 2014	Jan 31, 2014	0.157230
Feb 03, 2014	Feb 28, 2014	0.155929
Mar 03, 2014	Mar 31, 2014	0.155668
Apr 01, 2014	Apr 30, 2014	0.153936
May 01, 2014	May 30, 2014	0.152392
Jun 02, 2014	Jun 30, 2014	0.150368
Jul 01, 2014	Jul 31, 2014	0.148710
Aug 01, 2014	Aug 29, 2014	0.146175
Sep 02, 2014	Sep 30, 2014	0.143843
Oct 01, 2014	Oct 31, 2014	0.142559
Nov 03, 2014	Nov 28, 2014	0.141645
Dec 01, 2014	Dec 31, 2014	0.141645
Jan 02, 2015	Jan 30, 2015	0.139891
Feb 02, 2015	Feb 27, 2015	0.139227
Mar 02, 2015	Mar 31, 2015	0.137611
Apr 01, 2015	Apr 30, 2015	0.137288
May 01, 2015	May 29, 2015	0.136194
Jun 01, 2015		0.134051
· · · · · · · · · · · · · · · · · · ·		

3A4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
		1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Jui 01, 2011	Jul 29, 2011	1.000000

JP Morgan Mortgage Trust 2007-A4

3A4 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.980065
Sep 01, 2011	Sep 30, 2011	0.961720
Oct 03, 2011	Oct 31, 2011	0.950653
Nov 01, 2011	Nov 30, 2011	0.941522
Dec 01, 2011	Dec 30, 2011	0.931488
Jan 03, 2012	Jan 31, 2012	0.918454
Feb 01, 2012	Feb 29, 2012	0.895145
Mar 01, 2012	Mar 30, 2012	0.888211
Apr 02, 2012	Apr 30, 2012	0.872917
May 01, 2012	May 31, 2012	0.862573
Jun 01, 2012	Jun 29, 2012	0.850796
Jul 02, 2012	Jul 31, 2012	0.836484
Aug 01, 2012	Aug 31, 2012	0.825558
Sep 04, 2012	Sep 28, 2012	0.819574
Oct 01, 2012	Oct 31, 2012	0.808206
Nov 01, 2012	Nov 30, 2012	0.798345
Dec 03, 2012	Dec 31, 2012	0.786660
Jan 02, 2013	Jan 31, 2013	0.774706
Feb 01, 2013	Feb 28, 2013	0.749923
Mar 01, 2013	Mar 29, 2013	0.741896
Apr 01, 2013	Apr 30, 2013	0.732118
May 01, 2013	May 31, 2013	0.715927
Jun 03, 2013	Jun 28, 2013	0.700279
Jul 01, 2013	Jul 31, 2013	0.694891
Aug 01, 2013	Aug 30, 2013	0.681423
Sep 03, 2013	Sep 30, 2013	0.669692
Oct 01, 2013	Oct 31, 2013	0.659749
Nov 01, 2013	Nov 29, 2013	0.643528
Dec 02, 2013	Dec 31, 2013	0.633071
Jan 02, 2014	Jan 31, 2014	0.626088
Feb 03, 2014	Feb 28, 2014	0.620906
Mar 03, 2014	Mar 31, 2014	0.619869
Apr 01, 2014	Apr 30, 2014	0.612971
May 01, 2014	May 30, 2014	0.606823
Jun 02, 2014	Jun 30, 2014	0.598762
Jul 01, 2014	Jul 31, 2014	0.592163
Aug 01, 2014	Aug 29, 2014	0.582068
Sep 02, 2014	Sep 30, 2014	0.572780
Oct 01, 2014	Oct 31, 2014	0.567669
Nov 03, 2014	Nov 28, 2014	0.564030
Dec 01, 2014	Dec 31, 2014	0.564030
Jan 02, 2015	Jan 30, 2015	0.557045
Feb 02, 2015	Feb 27, 2015	0.554398
Mar 02, 2015	Mar 31, 2015	0.547965
Apr 01, 2015	Apr 30, 2015	0.546678
May 01, 2015	May 29, 2015	0.542321
Jun 01, 2015		0.533787

JP Morgan Mortgage Trust 2007-A4

2A3M Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
	Sep 30, 2008	1.000000
Sep 02, 2008	. ,	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000

JP Morgan Mortgage Trust 2007-A4

2A3M Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.980065
Sep 01, 2011	Sep 30, 2011	0.961720
Oct 03, 2011	Oct 31, 2011	0.950653
Nov 01, 2011	Nov 30, 2011	0.941522
Dec 01, 2011	Dec 30, 2011	0.931488
Jan 03, 2012	Jan 31, 2012	0.918454
Feb 01, 2012	Feb 29, 2012	0.895145
Mar 01, 2012	Mar 30, 2012	0.888211
Apr 02, 2012	Apr 30, 2012	0.872917
May 01, 2012	May 31, 2012	0.862573
Jun 01, 2012	Jun 29, 2012	0.850796
Jul 02, 2012	Jul 31, 2012	0.836484
Aug 01, 2012	Aug 31, 2012	0.825596
Sep 04, 2012	Sep 28, 2012	0.819658
Oct 01, 2012	Oct 31, 2012	0.808394
Nov 01, 2012	Nov 30, 2012	0.798646
Dec 03, 2012	Dec 31, 2012	0.787097
Jan 02, 2013	Jan 31, 2013	0.775302
Feb 01, 2013	Feb 28, 2013	0.751093
Mar 01, 2013	Mar 29, 2013	0.743250
Apr 01, 2013	Apr 30, 2013	0.733731
May 01, 2013	May 31, 2013	0.717992
Jun 03, 2013	Jun 28, 2013	0.702735
Jul 01, 2013	Jul 31, 2013	0.697482
Aug 01, 2013	Aug 30, 2013	0.684436
Sep 03, 2013	Sep 30, 2013	0.673039
Oct 01, 2013	Oct 31, 2013	0.663386
Nov 01, 2013	Nov 29, 2013	0.647637
Dec 02, 2013	Dec 31, 2013	0.637504
Jan 02, 2014	Jan 31, 2014	0.630737
Feb 03, 2014	Feb 28, 2014	0.625746
Mar 03, 2014	Mar 31, 2014	0.624749
Apr 01, 2014	Apr 30, 2014	0.618086
May 01, 2014	May 30, 2014	0.612160
Jun 02, 2014	Jun 30, 2014	0.604441
Jul 01, 2014	Jul 31, 2014	0.598122
Aug 01, 2014	Aug 29, 2014	0.588456
Sep 02, 2014	Sep 30, 2014	0.579573
Oct 01, 2014	Oct 31, 2014	0.574685
Nov 03, 2014	Nov 28, 2014	0.571205
Dec 01, 2014	Dec 31, 2014	0.571205
Jan 02, 2015	Jan 30, 2015	0.564495
Feb 02, 2015	Feb 27, 2015	0.561950
Mar 02, 2015	Mar 31, 2015	0.555763
Apr 01, 2015	Apr 30, 2015	0.554525
May 01, 2015	May 29, 2015	0.550307
Jun 01, 2015		0.541990

JP Morgan Mortgage Trust 2007-A4

2A3S Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.00000
Aug 01, 2007	Aug 31, 2007	0.00000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
		0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

JP Morgan Mortgage Trust 2007-A4

2A3S Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000
	-	

2A3L Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
. ,	Oct 31, 2008	1.000000
Oct 01, 2008	•	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000

2A3L Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.980065
Sep 01, 2011	Sep 30, 2011	0.961720
Oct 03, 2011	Oct 31, 2011	0.950653
Nov 01, 2011	Nov 30, 2011	0.941522
Dec 01, 2011	Dec 30, 2011	0.931488
Jan 03, 2012	Jan 31, 2012	0.918454
Feb 01, 2012	Feb 29, 2012	0.895145
Mar 01, 2012	Mar 30, 2012	0.888211
Apr 02, 2012	Apr 30, 2012	0.872917
May 01, 2012	May 31, 2012	0.862573
Jun 01, 2012	Jun 29, 2012	0.850796
Jul 02, 2012	Jul 31, 2012	0.836484
Aug 01, 2012	Aug 31, 2012	0.825596
Sep 04, 2012	Sep 28, 2012	0.819658
Oct 01, 2012	Oct 31, 2012	0.808394
Nov 01, 2012	Nov 30, 2012	0.798646
Dec 03, 2012	Dec 31, 2012	0.787097
Jan 02, 2013	Jan 31, 2013	0.775302
Feb 01, 2013	Feb 28, 2013	0.751093
Mar 01, 2013	Mar 29, 2013	0.743250
Apr 01, 2013	Apr 30, 2013	0.733731
May 01, 2013	May 31, 2013	0.717992
Jun 03, 2013	Jun 28, 2013	0.702735
Jul 01, 2013	Jul 31, 2013	0.697482
Aug 01, 2013	Aug 30, 2013	0.684436
Sep 03, 2013	Sep 30, 2013	0.673039
Oct 01, 2013	Oct 31, 2013	0.663386
Nov 01, 2013	Nov 29, 2013	0.647637
Dec 02, 2013	Dec 31, 2013	0.637504
Jan 02, 2014	Jan 31, 2014	0.630737
Feb 03, 2014	Feb 28, 2014	0.625746
Mar 03, 2014	Mar 31, 2014	0.624749
Apr 01, 2014	Apr 30, 2014	0.618086
May 01, 2014	May 30, 2014	0.612160
Jun 02, 2014	Jun 30, 2014	0.604441
Jul 01, 2014	Jul 31, 2014	0.598122
Aug 01, 2014	Aug 29, 2014	0.588456
Sep 02, 2014	Sep 30, 2014	0.579573
Oct 01, 2014	Oct 31, 2014	0.574685
Nov 03, 2014	Nov 28, 2014	0.571205
Dec 01, 2014	Dec 31, 2014	0.571205
Jan 02, 2015	Jan 30, 2015	0.564495
Feb 02, 2015	Feb 27, 2015	0.561950
Mar 02, 2015	Mar 31, 2015	0.555763
Apr 01, 2015	Apr 30, 2015	0.554525
May 01, 2015	May 29, 2015	0.550307
Jun 01, 2015		0.541990

JP Morgan Mortgage Trust 2007-A4

2A3F Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.00000
Jul 02, 2007	Jul 31, 2007	0.00000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
		0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

JP Morgan Mortgage Trust 2007-A4

2A3F Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000
	-	

3A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.996633
Jul 02, 2007	Jul 31, 2007	0.992169
Aug 01, 2007	Aug 31, 2007	0.988378
Sep 04, 2007	Sep 28, 2007	0.982443
Oct 01, 2007	Oct 31, 2007	0.977453
Nov 01, 2007	Nov 30, 2007	0.976009
Dec 03, 2007	Dec 31, 2007	0.971239
Jan 02, 2008	Jan 31, 2008	0.964292
Feb 01, 2008	Feb 29, 2008	0.963231
Mar 03, 2008	Mar 31, 2008	0.952439
Apr 01, 2008	Apr 30, 2008	0.945530
May 01, 2008	May 30, 2008	0.936888
Jun 02, 2008	Jun 30, 2008	0.929470
Jul 01, 2008	Jul 31, 2008	0.920613
Aug 01, 2008	Aug 29, 2008	0.917308
Sep 02, 2008	Sep 30, 2008	0.913309
Oct 01, 2008	Oct 31, 2008	
Nov 03, 2008	Nov 28, 2008	0.902329
Dec 01, 2008	Dec 31, 2008	0.892046
Jan 02, 2009	Jan 30, 2009	0.891595
Feb 02, 2009	Feb 27, 2009	0.881800
Mar 02, 2009	Mar 31, 2009	0.866446
Apr 01, 2009	Apr 30, 2009	0.840804
May 01, 2009	May 29, 2009	0.836645
Jun 01, 2009	Jun 30, 2009	0.816777
Jul 01, 2009	Jul 31, 2009	0.805860
Aug 03, 2009	Aug 31, 2009	0.795008
Sep 01, 2009	Sep 30, 2009	0.781448
Oct 01, 2009	Oct 30, 2009	0.755989
Nov 02, 2009	Nov 30, 2009	0.737459
Dec 01, 2009	Dec 31, 2009	0.726246
Jan 04, 2010	Jan 29, 2010	0.716778
Feb 01, 2010	Feb 26, 2010	0.712622
Mar 01, 2010	Mar 31, 2010	0.705850
Apr 01, 2010	Apr 30, 2010	0.693859
May 03, 2010	May 28, 2010	0.664974
Jun 01, 2010	Jun 30, 2010	0.661019
Jul 01, 2010	Jul 30, 2010	0.640534
Aug 02, 2010	Aug 31, 2010	0.629781
Sep 01, 2010	Sep 30, 2010	0.613680
Oct 01, 2010	Oct 29, 2010	0.593910
Nov 01, 2010	Nov 30, 2010	0.587776
Dec 01, 2010	Dec 31, 2010	0.574313
Jan 03, 2011	Jan 31, 2011	0.558404
Feb 01, 2011	Feb 28, 2011	0.533156
Mar 01, 2011	Mar 31, 2011	0.528762
Apr 01, 2011	Apr 29, 2011	0.503618
May 02, 2011	May 31, 2011	0.485216
Jun 01, 2011	Jun 30, 2011	0.471358
Jul 01, 2011	Jul 29, 2011	0.437673

3A1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.428947
Sep 01, 2011	Sep 30, 2011	0.420919
Oct 03, 2011	Oct 31, 2011	0.416075
Nov 01, 2011	Nov 30, 2011	0.412078
Dec 01, 2011	Dec 30, 2011	0.407687
Jan 03, 2012	Jan 31, 2012	0.401982
Feb 01, 2012	Feb 29, 2012	0.391780
Mar 01, 2012	Mar 30, 2012	0.388746
Apr 02, 2012	Apr 30, 2012	0.382052
May 01, 2012	May 31, 2012	0.377525
Jun 01, 2012	Jun 29, 2012	0.372370
Jul 02, 2012	Jul 31, 2012	0.366106
Aug 01, 2012	Aug 31, 2012	0.361324
Sep 04, 2012	Sep 28, 2012	0.358705
Oct 01, 2012	Oct 31, 2012	0.353729
Nov 01, 2012	Nov 30, 2012	0.349414
Dec 03, 2012	Dec 31, 2012	0.344299
Jan 02, 2013	Jan 31, 2013	0.339067
Feb 01, 2013	Feb 28, 2013	0.328221
Mar 01, 2013	Mar 29, 2013	0.324707
Apr 01, 2013	Apr 30, 2013	0.320428
May 01, 2013	May 31, 2013	0.313342
Jun 03, 2013	Jun 28, 2013	0.306493
Jul 01, 2013	Jul 31, 2013	0.304135
Aug 01, 2013	Aug 30, 2013	0.298240
Sep 03, 2013	Sep 30, 2013	0.293106
Oct 01, 2013	Oct 31, 2013	0.288754
Nov 01, 2013	Nov 29, 2013	0.281654
Dec 02, 2013	Dec 31, 2013	0.277078
Jan 02, 2014	Jan 31, 2014	0.274022
Feb 03, 2014	Feb 28, 2014	0.271753
Mar 03, 2014	Mar 31, 2014	0.271300
Apr 01, 2014	Apr 30, 2014	0.268281
May 01, 2014	May 30, 2014	0.265590
Jun 02, 2014	Jun 30, 2014	0.262062
Jul 01, 2014	Jul 31, 2014	0.259173
Aug 01, 2014	Aug 29, 2014	0.254755
Sep 02, 2014	Sep 30, 2014	0.250690
Oct 01, 2014	Oct 31, 2014	0.248453
Nov 03, 2014	Nov 28, 2014	0.246861
Dec 01, 2014	Dec 31, 2014	0.246861
Jan 02, 2015	Jan 30, 2015	0.243803
Feb 02, 2015	Feb 27, 2015	0.242645
Mar 02, 2015	Mar 31, 2015	0.239829
Apr 01, 2015	Apr 30, 2015	0.239266
May 01, 2015	May 29, 2015	0.237359
Jun 01, 2015		0.233624

JP Morgan Mortgage Trust 2007-A4

3A4M Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
·	-	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009 Sep 01, 2009	Aug 31, 2009 Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
		1.000000

JP Morgan Mortgage Trust 2007-A4

3A4M Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.980065
Sep 01, 2011	Sep 30, 2011	0.961720
Oct 03, 2011	Oct 31, 2011	0.950653
Nov 01, 2011	Nov 30, 2011	0.941522
Dec 01, 2011	Dec 30, 2011	0.931488
Jan 03, 2012	Jan 31, 2012	0.918454
Feb 01, 2012	Feb 29, 2012	0.895145
Mar 01, 2012	Mar 30, 2012	0.888211
Apr 02, 2012	Apr 30, 2012	0.872917
May 01, 2012	May 31, 2012	0.862573
Jun 01, 2012	Jun 29, 2012	0.850796
Jul 02, 2012	Jul 31, 2012	0.836484
Aug 01, 2012	Aug 31, 2012	0.825558
Sep 04, 2012	Sep 28, 2012	0.819574
Oct 01, 2012	Oct 31, 2012	0.808206
Nov 01, 2012	Nov 30, 2012	0.798345
Dec 03, 2012	Dec 31, 2012	0.786660
Jan 02, 2013	Jan 31, 2013	0.774706
Feb 01, 2013	Feb 28, 2013	0.749923
Mar 01, 2013	Mar 29, 2013	0.741896
Apr 01, 2013	Apr 30, 2013	0.732118
May 01, 2013	May 31, 2013	0.715927
Jun 03, 2013	Jun 28, 2013	0.700279
Jul 01, 2013	Jul 31, 2013	0.694891
Aug 01, 2013	Aug 30, 2013	0.681423
Sep 03, 2013	Sep 30, 2013	0.669692
Oct 01, 2013	Oct 31, 2013	0.659749
Nov 01, 2013	Nov 29, 2013	0.643528
Dec 02, 2013	Dec 31, 2013	0.633071
Jan 02, 2014	Jan 31, 2014	0.626088
Feb 03, 2014	Feb 28, 2014	0.620906
Mar 03, 2014	Mar 31, 2014	0.619869
Apr 01, 2014	Apr 30, 2014	0.612971
May 01, 2014	May 30, 2014	0.606823
Jun 02, 2014	Jun 30, 2014	0.598762
Jul 01, 2014	Jul 31, 2014	0.592163
Aug 01, 2014	Aug 29, 2014	0.582068
Sep 02, 2014	Sep 30, 2014	0.572780
Oct 01, 2014	Oct 31, 2014	0.567669
Nov 03, 2014	Nov 28, 2014	0.564030
Dec 01, 2014	Dec 31, 2014	0.564030
Jan 02, 2015	Jan 30, 2015	0.557045
Feb 02, 2015	Feb 27, 2015	0.554398
Mar 02, 2015	Mar 31, 2015	0.547965
Apr 01, 2015	Apr 30, 2015	0.546678
May 01, 2015	May 29, 2015	0.542321
Jun 01, 2015		0.533787

JP Morgan Mortgage Trust 2007-A4

3A4S Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.000000
Aug 01, 2007	Aug 31, 2007	0.00000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	0.000000
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
	· ·	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.00000
Feb 02, 2009	Feb 27, 2009	0.00000
Mar 02, 2009	Mar 31, 2009	0.00000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000
Jui 01, 2011	Jul 29, 2011	0.000000

JP Morgan Mortgage Trust 2007-A4

3A4S Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

1A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.998655
Jul 02, 2007	Jul 31, 2007	0.997694
Aug 01, 2007	Aug 31, 2007	0.996776
Sep 04, 2007	Sep 28, 2007	0.995819
Oct 01, 2007	Oct 31, 2007	0.994890
Nov 01, 2007	Nov 30, 2007	0.993862
Dec 03, 2007	Dec 31, 2007	0.992897
Jan 02, 2008	Jan 31, 2008	0.991916
Feb 01, 2008	Feb 29, 2008	0.990931
Mar 03, 2008	Mar 31, 2008	0.989982
Apr 01, 2008	Apr 30, 2008	0.988814
May 01, 2008	May 30, 2008	0.987741
Jun 02, 2008	Jun 30, 2008	0.986642
Jul 01, 2008	Jul 31, 2008	0.982023
Aug 01, 2008	Aug 29, 2008	0.980883
Sep 02, 2008	Sep 30, 2008	0.979869
Oct 01, 2008	Oct 31, 2008	
Nov 03, 2008	Nov 28, 2008	0.978847
Dec 01, 2008	Dec 31, 2008	0.977711
Jan 02, 2009	Jan 30, 2009	0.976711
Feb 02, 2009	Feb 27, 2009	0.975667
Mar 02, 2009	Mar 31, 2009	0.974680
Apr 01, 2009	Apr 30, 2009	0.973647
May 01, 2009	May 29, 2009	0.971963
Jun 01, 2009	Jun 30, 2009	0.970961
Jul 01, 2009	Jul 31, 2009	0.969949
Aug 03, 2009	Aug 31, 2009	0.968969
Sep 01, 2009	Sep 30, 2009	0.967955
Oct 01, 2009	Oct 30, 2009	0.871540
Nov 02, 2009	Nov 30, 2009	0.870683
Dec 01, 2009	Dec 31, 2009	0.869824
Jan 04, 2010	Jan 29, 2010	0.859634
Feb 01, 2010	Feb 26, 2010	0.858612 0.857731
Mar 01, 2010	Mar 31, 2010	0.855362
Apr 01, 2010	Apr 30, 2010	0.847488
May 03, 2010	May 28, 2010	0.846556
Jun 01, 2010	Jun 30, 2010	0.838354
Jul 01, 2010	Jul 30, 2010	0.837391
Aug 02, 2010	Aug 31, 2010	0.836478
Sep 01, 2010	Sep 30, 2010	0.835562
Oct 01, 2010	Oct 29, 2010	0.834655
Nov 01, 2010	Nov 30, 2010	0.833731
Dec 01, 2010	Dec 31, 2010	0.802211
Jan 03, 2011	Jan 31, 2011	0.801207
Feb 01, 2011	Feb 28, 2011	0.800083
Mar 01, 2011	Mar 31, 2011	0.799183
Apr 01, 2011	Apr 29, 2011	0.798159
May 02, 2011	May 31, 2011	0.797251
Jun 01, 2011	Jun 30, 2011	0.796339
Jul 01, 2011	Jul 29, 2011	0.795421

1A1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.763807
Sep 01, 2011	Sep 30, 2011	0.762944
Oct 03, 2011	Oct 31, 2011	0.711615
Nov 01, 2011	Nov 30, 2011	0.710837
Dec 01, 2011	Dec 30, 2011	0.710065
Jan 03, 2012	Jan 31, 2012	0.709274
Feb 01, 2012	Feb 29, 2012	0.708500
Mar 01, 2012	Mar 30, 2012	0.602865
Apr 02, 2012	Apr 30, 2012	0.602287
May 01, 2012	May 31, 2012	0.349098
Jun 01, 2012	Jun 29, 2012	0.348694
Jul 02, 2012	Jul 31, 2012	0.348299
Aug 01, 2012	Aug 31, 2012	0.329495
Sep 04, 2012	Sep 28, 2012	0.303558
Oct 01, 2012	Oct 31, 2012	0.287550
Nov 01, 2012	Nov 30, 2012	0.284325
Dec 03, 2012	Dec 31, 2012	0.284023
Jan 02, 2013	Jan 31, 2013	0.211805
Feb 01, 2013	Feb 28, 2013	0.211652
Mar 01, 2013	Mar 29, 2013	0.186362
Apr 01, 2013	Apr 30, 2013	0.184374
May 01, 2013	May 31, 2013	0.184210
Jun 03, 2013	Jun 28, 2013	0.184037
Jul 01, 2013	Jul 31, 2013	0.183873
Aug 01, 2013	Aug 30, 2013	0.183580
Sep 03, 2013	Sep 30, 2013	0.183478
Oct 01, 2013	Oct 31, 2013	0.165368
Nov 01, 2013	Nov 29, 2013	0.165198
Dec 02, 2013	Dec 31, 2013	0.165042
Jan 02, 2014	Jan 31, 2014	0.164886
Feb 03, 2014	Feb 28, 2014	0.164773
Mar 03, 2014	Mar 31, 2014	0.164598
Apr 01, 2014	Apr 30, 2014	0.164456
May 01, 2014	May 30, 2014	0.164294
Jun 02, 2014	Jun 30, 2014	0.164124
Jul 01, 2014	Jul 31, 2014	0.163956
Aug 01, 2014	Aug 29, 2014	0.162585
Sep 02, 2014	Sep 30, 2014	0.162455
Oct 01, 2014	Oct 31, 2014	0.162321
Nov 03, 2014	Nov 28, 2014	0.162189
Dec 01, 2014	Dec 31, 2014	0.162060
Jan 02, 2015	Jan 30, 2015	0.161964
Feb 02, 2015	Feb 27, 2015	0.161815
Mar 02, 2015	Mar 31, 2015	0.161686
Apr 01, 2015	Apr 30, 2015	0.161540
May 01, 2015	May 29, 2015	0.161461
Jun 01, 2015		0.161376

1A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.999243
Jul 02, 2007	Jul 31, 2007	0.997874
Aug 01, 2007	Aug 31, 2007	0.997217
Sep 04, 2007	Sep 28, 2007	0.992359
Oct 01, 2007	Oct 31, 2007	0.991681
Nov 01, 2007	Nov 30, 2007	0.990942
Dec 03, 2007	Dec 31, 2007	0.990222
Jan 02, 2008	Jan 31, 2008	0.989492
Feb 01, 2008	Feb 29, 2008	0.986482
Mar 03, 2008	Mar 31, 2008	0.985760
Apr 01, 2008	Apr 30, 2008	0.980126
May 01, 2008	May 30, 2008	0.979323
Jun 02, 2008	Jun 30, 2008	0.975512
Jul 01, 2008	Jul 31, 2008	0.968183
Aug 01, 2008	Aug 29, 2008	0.958628
Sep 02, 2008	Sep 30, 2008	0.954761
Oct 01, 2008	Oct 31, 2008	0.946100
Nov 03, 2008	Nov 28, 2008	0.939404
Dec 01, 2008	Dec 31, 2008	0.935788
Jan 02, 2009	Jan 30, 2009	0.930866
Feb 02, 2009	Feb 27, 2009	0.922136
Mar 02, 2009	Mar 31, 2009	0.907144
Apr 01, 2009	Apr 30, 2009	0.897051
May 01, 2009	May 29, 2009	0.879270
Jun 01, 2009	Jun 30, 2009	0.876127
Jul 01, 2009	Jul 31, 2009	0.871002
Aug 03, 2009	Aug 31, 2009	0.861066
Sep 01, 2009	Sep 30, 2009	0.851863
Oct 01, 2009	Oct 30, 2009	0.848150
Nov 02, 2009	Nov 30, 2009	0.846420
Dec 01, 2009	Dec 31, 2009	0.838028
Jan 04, 2010	Jan 29, 2010	0.832764
Feb 01, 2010	Feb 26, 2010	0.830304
Mar 01, 2010	Mar 31, 2010	0.826604
Apr 01, 2010	Apr 30, 2010	0.820754
May 03, 2010	May 28, 2010	0.805995
Jun 01, 2010	Jun 30, 2010	0.795910
Jul 01, 2010	Jul 30, 2010	0.793749
Aug 02, 2010	Aug 31, 2010	0.780854
Sep 01, 2010	Sep 30, 2010	0.763913
Oct 01, 2010	Oct 29, 2010	0.758376
Nov 01, 2010	Nov 30, 2010	0.742727
Dec 01, 2010	Dec 31, 2010	0.729554
Jan 03, 2011	Jan 31, 2011	0.711287
Feb 01, 2011	Feb 28, 2011	0.705070
Mar 01, 2011	Mar 31, 2011	0.685314
Apr 01, 2011	Apr 29, 2011	0.680892
May 02, 2011	May 31, 2011	0.669723
Jun 01, 2011	Jun 30, 2011	0.660468
Jul 01, 2011	Jul 29, 2011	0.652340

1A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.645725
Sep 01, 2011	Sep 30, 2011	0.633150
Oct 03, 2011	Oct 31, 2011	0.625151
Nov 01, 2011	Nov 30, 2011	0.618195
Dec 01, 2011	Dec 30, 2011	0.617696
Jan 03, 2012	Jan 31, 2012	0.605099
Feb 01, 2012	Feb 29, 2012	0.598248
Mar 01, 2012	Mar 30, 2012	0.595937
Apr 02, 2012	Apr 30, 2012	0.589462
May 01, 2012	May 31, 2012	0.582333
Jun 01, 2012	Jun 29, 2012	0.581858
Jul 02, 2012	Jul 31, 2012	0.574180
Aug 01, 2012	Aug 31, 2012	0.564446
Sep 04, 2012	Sep 28, 2012	0.557990
Oct 01, 2012	Oct 31, 2012	0.554376
Nov 01, 2012	Nov 30, 2012	0.547168
Dec 03, 2012	Dec 31, 2012	0.543588
Jan 02, 2013	Jan 31, 2013	0.525691
Feb 01, 2013	Feb 28, 2013	0.521848
Mar 01, 2013	Mar 29, 2013	0.520628
Apr 01, 2013	Apr 30, 2013	0.507104
May 01, 2013	May 31, 2013	0.502644
Jun 03, 2013	Jun 28, 2013	0.481612
Jul 01, 2013	Jul 31, 2013	0.479306
Aug 01, 2013	Aug 30, 2013	0.477087
Sep 03, 2013	Sep 30, 2013	0.473838
Oct 01, 2013	Oct 31, 2013	0.467905
Nov 01, 2013	Nov 29, 2013	0.457138
Dec 02, 2013	Dec 31, 2013	0.448558
Jan 02, 2014	Jan 31, 2014	0.444882
Feb 03, 2014	Feb 28, 2014	0.444116
Mar 03, 2014	Mar 31, 2014	0.443680
Apr 01, 2014	Apr 30, 2014	0.441082
May 01, 2014	May 30, 2014	0.437959
Jun 02, 2014	Jun 30, 2014	0.427444
Jul 01, 2014	Jul 31, 2014	0.422787
Aug 01, 2014	Aug 29, 2014	0.417222
Sep 02, 2014	Sep 30, 2014	0.412810
Oct 01, 2014	Oct 31, 2014	0.407141
Nov 03, 2014	Nov 28, 2014	0.403661
Dec 01, 2014	Dec 31, 2014	0.402609
Jan 02, 2015	Jan 30, 2015	0.397096
Feb 02, 2015	Feb 27, 2015	0.393022
Mar 02, 2015	Mar 31, 2015	0.391002
Apr 01, 2015	Apr 30, 2015	0.390538
May 01, 2015	May 29, 2015	0.386087
Jun 01, 2015		0.379151

1A3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.997735
Jul 02, 2007	Jul 31, 2007	0.992208
Aug 01, 2007	Aug 31, 2007	0.986325
Sep 04, 2007	Sep 28, 2007	0.980897
Oct 01, 2007	Oct 31, 2007	0.976081
Nov 01, 2007	Nov 30, 2007	0.972452
Dec 03, 2007	Dec 31, 2007	0.968644
Jan 02, 2008	Jan 31, 2008	0.964190
Feb 01, 2008	Feb 29, 2008	
Mar 03, 2008	Mar 31, 2008	0.960205
Apr 01, 2008	Apr 30, 2008	0.952947
May 01, 2008	May 30, 2008	0.943166
Jun 02, 2008	Jun 30, 2008	0.936214
Jul 01, 2008	Jul 31, 2008	0.928096
Aug 01, 2008	Aug 29, 2008	0.920247
Sep 02, 2008	Sep 30, 2008	0.914341
Oct 01, 2008	Oct 31, 2008	0.909617
		0.904543
Nov 03, 2008	Nov 28, 2008	0.899290
Dec 01, 2008	Dec 31, 2008	0.897383
Jan 02, 2009	Jan 30, 2009	0.893441
Feb 02, 2009	Feb 27, 2009	0.883181
Mar 02, 2009	Mar 31, 2009	0.871527
Apr 01, 2009	Apr 30, 2009	0.858819
May 01, 2009	May 29, 2009	0.847240
Jun 01, 2009	Jun 30, 2009	0.833779
Jul 01, 2009	Jul 31, 2009	0.819516
Aug 03, 2009	Aug 31, 2009	0.812490
Sep 01, 2009	Sep 30, 2009	0.802821
Oct 01, 2009	Oct 30, 2009	0.797916
Nov 02, 2009	Nov 30, 2009	0.790878
Dec 01, 2009	Dec 31, 2009	0.780506
Jan 04, 2010	Jan 29, 2010	0.768292
Feb 01, 2010	Feb 26, 2010	0.761346
Mar 01, 2010	Mar 31, 2010	0.754696
Apr 01, 2010	Apr 30, 2010	0.746217
May 03, 2010	May 28, 2010	0.742655
Jun 01, 2010	Jun 30, 2010	0.734670
Jul 01, 2010	Jul 30, 2010	0.727343
Aug 02, 2010	Aug 31, 2010	0.713596
Sep 01, 2010	Sep 30, 2010	0.701869
Oct 01, 2010	Oct 29, 2010	0.694548
Nov 01, 2010	Nov 30, 2010	0.681002
Dec 01, 2010	Dec 31, 2010	0.669543
Jan 03, 2011	Jan 31, 2011	0.652635
Feb 01, 2011	Feb 28, 2011	0.645905
Mar 01, 2011	Mar 31, 2011	0.636365
Apr 01, 2011	Apr 29, 2011	0.630296
May 02, 2011	May 31, 2011	0.622837
Jun 01, 2011	Jun 30, 2011	0.617065
Jul 01, 2011	Jul 29, 2011	0.611343

1A3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.604667
Sep 01, 2011	Sep 30, 2011	0.596885
Oct 03, 2011	Oct 31, 2011	0.588974
Nov 01, 2011	Nov 30, 2011	0.584200
Dec 01, 2011	Dec 30, 2011	0.578241
Jan 03, 2012	Jan 31, 2012	0.569027
Feb 01, 2012	Feb 29, 2012	0.561814
Mar 01, 2012	Mar 30, 2012	0.558982
Apr 02, 2012	Apr 30, 2012	0.549435
May 01, 2012	May 31, 2012	0.543703
Jun 01, 2012	Jun 29, 2012	0.539978
Jul 02, 2012	Jul 31, 2012	0.534177
Aug 01, 2012	Aug 31, 2012	0.526186
Sep 04, 2012	Sep 28, 2012	0.520736
Oct 01, 2012	Oct 31, 2012	0.511239
Nov 01, 2012	Nov 30, 2012	0.503592
Dec 03, 2012	Dec 31, 2012	0.498800
Jan 02, 2013	Jan 31, 2013	0.491247
Feb 01, 2013	Feb 28, 2013	0.487239
Mar 01, 2013	Mar 29, 2013	0.481218
Apr 01, 2013	Apr 30, 2013	0.471176
May 01, 2013	May 31, 2013	0.461891
Jun 03, 2013	Jun 28, 2013	0.453093
Jul 01, 2013	Jul 31, 2013	0.445875
Aug 01, 2013	Aug 30, 2013	0.439636
Sep 03, 2013	Sep 30, 2013	0.431216
Oct 01, 2013	Oct 31, 2013	0.424729
Nov 01, 2013	Nov 29, 2013	0.420158
Dec 02, 2013	Dec 31, 2013	0.418771
Jan 02, 2014	Jan 31, 2014	0.413701
Feb 03, 2014	Feb 28, 2014	0.411979
Mar 03, 2014	Mar 31, 2014	0.405298
Apr 01, 2014	Apr 30, 2014	0.404284
May 01, 2014	May 30, 2014	0.400783
Jun 02, 2014	Jun 30, 2014	0.396192
Jul 01, 2014	Jul 31, 2014	0.393238
Aug 01, 2014	Aug 29, 2014	0.389575
Sep 02, 2014	Sep 30, 2014	0.387360
Oct 01, 2014	Oct 31, 2014	0.383762
Nov 03, 2014	Nov 28, 2014	0.380972
Dec 01, 2014	Dec 31, 2014	0.378256
Jan 02, 2015	Jan 30, 2015	0.373512
Feb 02, 2015	Feb 27, 2015	0.369323
Mar 02, 2015	Mar 31, 2015	0.366343
Apr 01, 2015	Apr 30, 2015	0.361882
May 01, 2015	May 29, 2015	0.359565
Jun 01, 2015		0.355035
-		

1A4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.998398
Jul 25, 2007	Aug 24, 2007	0.984940
Aug 27, 2007	Sep 24, 2007	0.971024
Sep 25, 2007	Oct 24, 2007	0.959334
Oct 25, 2007	Nov 23, 2007	0.950392
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	0.946103 0.941931
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	0.936324
Mar 25, 2008	Apr 24, 2008	0.932976
Apr 25, 2008	May 23, 2008	0.919472
-	<u> </u>	0.898288
May 27, 2008	Jun 24, 2008	0.887179
Jun 25, 2008	Jul 24, 2008	0.872883
Jul 25, 2008	Aug 22, 2008	0.860158
Aug 25, 2008	Sep 24, 2008	0.854548
Sep 25, 2008	Oct 24, 2008	0.853520
Oct 27, 2008	Nov 24, 2008	0.851988
Nov 25, 2008	Dec 24, 2008	0.850504
Dec 26, 2008	Jan 23, 2009	0.850503
Jan 26, 2009	Feb 24, 2009	0.850502
Feb 25, 2009	Mar 24, 2009	0.848669
Mar 25, 2009	Apr 24, 2009	0.828431
Apr 27, 2009	May 22, 2009	0.805283
May 26, 2009	Jun 24, 2009	0.786431
Jun 25, 2009	Jul 24, 2009	0.761870
Jul 27, 2009	Aug 24, 2009	
Aug 25, 2009	Sep 24, 2009	0.735143
Sep 25, 2009	Oct 23, 2009	0.732854
Oct 26, 2009	Nov 24, 2009	0.722185 0.722184
Nov 25, 2009	Dec 24, 2009	
Dec 28, 2009	Jan 22, 2010	0.722183
Jan 25, 2010	Feb 24, 2010	0.712167
Feb 25, 2010	Mar 24, 2010	0.692701
Mar 25, 2010	Apr 23, 2010	0.690574
Apr 26, 2010	May 24, 2010	0.689291
May 25, 2010	Jun 24, 2010	0.681803
Jun 25, 2010	Jul 23, 2010	0.681802
Jul 26, 2010	Aug 24, 2010	0.681801
Aug 25, 2010	Sep 24, 2010	0.680289
Sep 27, 2010	Oct 22, 2010	0.654782
Oct 25, 2010	Nov 24, 2010	0.635842
Nov 26, 2010	Dec 23, 2010	0.631390
Dec 27, 2010	Jan 24, 2011	0.606150
Jan 25, 2011	Feb 24, 2011	0.587706
Feb 25, 2011	Mar 24, 2011	0.551055
Mar 25, 2011	Apr 22, 2011	0.548040
Apr 25, 2011	May 24, 2011	0.535576
May 25, 2011	Jun 24, 2011	0.534497
Jun 27, 2011	Jul 22, 2011	0.528684
Jul 25, 2011	Aug 24, 2011	0.528340
Jul 25, 2011	Aug 24, 2011	0.528038

1A4 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	0.524448
Sep 26, 2011	Oct 24, 2011	0.517064
Oct 25, 2011	Nov 23, 2011	0.509127
Nov 25, 2011	Dec 23, 2011	0.504999
Dec 27, 2011	Jan 24, 2012	0.499836
Jan 25, 2012	Feb 24, 2012	0.491833
Feb 27, 2012	Mar 23, 2012	0.485526
Mar 26, 2012	Apr 24, 2012	0.483035
Apr 25, 2012	May 24, 2012	0.474618
May 25, 2012	Jun 22, 2012	0.469538
Jun 25, 2012	Jul 24, 2012	0.466221
Jul 25, 2012	Aug 24, 2012	0.461037
Aug 27, 2012	Sep 24, 2012	0.453869
Sep 25, 2012	Oct 24, 2012	0.448967
Oct 25, 2012	Nov 23, 2012	0.440389
Nov 26, 2012	Dec 24, 2012	0.433456
Dec 26, 2012	Jan 24, 2013	0.429098
Jan 25, 2013	Feb 22, 2013	0.422214
Feb 25, 2013	Mar 22, 2013	0.418542
Mar 25, 2013	Apr 24, 2013	0.413014
Apr 25, 2013	May 24, 2013	0.403779
May 28, 2013	Jun 24, 2013	0.395186
Jun 25, 2013	Jul 24, 2013	0.387023
Jul 25, 2013	Aug 23, 2013	0.380286
Aug 26, 2013	Sep 24, 2013	0.374446
Sep 25, 2013	Oct 24, 2013	0.366533
Oct 25, 2013	Nov 22, 2013	0.360433
Nov 25, 2013	Dec 24, 2013	0.356128
Dec 26, 2013	Jan 24, 2014	0.354816
Jan 27, 2014	Feb 24, 2014	0.350022
Feb 25, 2014	Mar 24, 2014	0.348391
Mar 25, 2014	Apr 24, 2014	0.342047
Apr 25, 2014	May 23, 2014	0.341082
May 27, 2014	Jun 24, 2014	0.337747
Jun 25, 2014	Jul 24, 2014	0.333365
Jul 25, 2014	Aug 22, 2014	0.330544
Aug 25, 2014	Sep 24, 2014	0.327044
Sep 25, 2014	Oct 24, 2014	0.324927
Oct 27, 2014	Nov 24, 2014	0.321482
Nov 25, 2014	Dec 24, 2014	0.318799
Dec 26, 2014	Jan 23, 2015	0.316189
Jan 26, 2015	Feb 24, 2015	0.311608
Feb 25, 2015	Mar 24, 2015	0.307560
Mar 25, 2015	Apr 24, 2015	0.304675
Apr 27, 2015	May 22, 2015	0.300339
May 26, 2015	Jun 24, 2015	0.298087
Jun 25, 2015		0.293682

1A5 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	0.000000
Jun 25, 2007	Jul 24, 2007	0.000000
Jul 25, 2007	Aug 24, 2007	0.000000
Aug 27, 2007	Sep 24, 2007	0.00000
Sep 25, 2007	Oct 24, 2007	0.000000
Oct 25, 2007	Nov 23, 2007	0.000000
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	0.000000
Jan 25, 2008	Feb 22, 2008	0.000000
Feb 25, 2008	Mar 24, 2008	0.000000
Mar 25, 2008	Apr 24, 2008	0.000000
Apr 25, 2008	May 23, 2008	0.000000
-	<u> </u>	0.000000
May 27, 2008	Jun 24, 2008	0.000000
Jun 25, 2008	Jul 24, 2008	0.000000
Jul 25, 2008	Aug 22, 2008	0.000000
Aug 25, 2008	Sep 24, 2008	0.000000
Sep 25, 2008	Oct 24, 2008	0.000000
Oct 27, 2008	Nov 24, 2008	0.000000
Nov 25, 2008	Dec 24, 2008	0.000000
Dec 26, 2008	Jan 23, 2009	0.000000
Jan 26, 2009	Feb 24, 2009	0.00000
Feb 25, 2009	Mar 24, 2009	0.00000
Mar 25, 2009	Apr 24, 2009	0.00000
Apr 27, 2009	May 22, 2009	0.000000
May 26, 2009	Jun 24, 2009	0.000000
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000

1A5 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015	2., 2020	0.000000
		0.000000

1A6 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.000000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	0.000000
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
		0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.00000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
		0.000000
Nov 01, 2010 Dec 01, 2010	Nov 30, 2010 Dec 31, 2010	0.000000
		0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

1A6 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

1A7 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
		1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000

1A7 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	1.000000
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	1.000000
Feb 01, 2012	Feb 29, 2012	1.000000
Mar 01, 2012	Mar 30, 2012	1.000000
Apr 02, 2012	Apr 30, 2012	1.000000
May 01, 2012	May 31, 2012	1.000000
Jun 01, 2012	Jun 29, 2012	1.000000
Jul 02, 2012	Jul 31, 2012	1.000000
Aug 01, 2012	Aug 31, 2012	1.000000
Sep 04, 2012	Sep 28, 2012	1.000000
Oct 01, 2012	Oct 31, 2012	1.000000
Nov 01, 2012	Nov 30, 2012	1.000000
Dec 03, 2012	Dec 31, 2012	1.000000
Jan 02, 2013	Jan 31, 2013	1.000000
Feb 01, 2013	Feb 28, 2013	1.000000
Mar 01, 2013	Mar 29, 2013	1.000000
Apr 01, 2013	Apr 30, 2013	1.000000
May 01, 2013	May 31, 2013	1.000000
Jun 03, 2013	Jun 28, 2013	1.000000
Jul 01, 2013	Jul 31, 2013	1.000000
Aug 01, 2013	Aug 30, 2013	1.000000
Sep 03, 2013	Sep 30, 2013	1.000000
Oct 01, 2013	Oct 31, 2013	1.000000
Nov 01, 2013	Nov 29, 2013	1.000000
Dec 02, 2013	Dec 31, 2013	1.000000
Jan 02, 2014	Jan 31, 2014	1.000000
Feb 03, 2014	Feb 28, 2014	1.000000
Mar 03, 2014	Mar 31, 2014	1.000000
Apr 01, 2014	Apr 30, 2014	1.000000
May 01, 2014	May 30, 2014	1.000000
Jun 02, 2014	Jun 30, 2014	1.000000
Jul 01, 2014	Jul 31, 2014	0.993017
Aug 01, 2014	Aug 29, 2014	0.983685
Sep 02, 2014	Sep 30, 2014	0.978044
Oct 01, 2014	Oct 31, 2014	0.968878
Nov 03, 2014	Nov 28, 2014	0.961771
Dec 01, 2014	Dec 31, 2014	0.954851
Jan 02, 2015	Jan 30, 2015	0.942767
Feb 02, 2015	Feb 27, 2015	0.932097
Mar 02, 2015	Mar 31, 2015	0.924506
Apr 01, 2015	Apr 30, 2015	0.913143
May 01, 2015	May 29, 2015	0.907241
Jun 01, 2015		0.895701

1A8 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
		1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Jui 01, 2011	Jul 29, 2011	1.000000

1A8 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	1.000000
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	0.991894
Dec 01, 2011	Dec 30, 2011	0.981755
Jan 03, 2012	Jan 31, 2012	0.966039
Feb 01, 2012	Feb 29, 2012	0.953651
Mar 01, 2012	Mar 30, 2012	0.948761
Apr 02, 2012	Apr 30, 2012	0.932231
May 01, 2012	May 31, 2012	0.922256
Jun 01, 2012	Jun 29, 2012	0.915749
Jul 02, 2012	Jul 31, 2012	0.905617
Aug 01, 2012	Aug 31, 2012	0.891660
Sep 04, 2012	Sep 28, 2012	0.882141
Oct 01, 2012	Oct 31, 2012	0.865555
Nov 01, 2012	Nov 30, 2012	0.852200
Dec 03, 2012	Dec 31, 2012	0.843832
Jan 02, 2013	Jan 31, 2013	0.830641
Feb 01, 2013	Feb 28, 2013	0.823642
Mar 01, 2013	Mar 29, 2013	0.813129
Apr 01, 2013	Apr 30, 2013	0.795597
May 01, 2013	May 31, 2013	0.779388
Jun 03, 2013	Jun 28, 2013	0.764030
Jul 01, 2013	Jul 31, 2013	0.751430
Aug 01, 2013	Aug 30, 2013	0.740538
Sep 03, 2013	Sep 30, 2013	0.725839
Oct 01, 2013	Oct 31, 2013	0.714515
Nov 01, 2013	Nov 29, 2013	0.706537
Dec 02, 2013	Dec 31, 2013	0.704114
Jan 02, 2014	Jan 31, 2014	0.695265
Feb 03, 2014	Feb 28, 2014	0.692260
Mar 03, 2014	Mar 31, 2014	0.680597
Apr 01, 2014	Apr 30, 2014	0.678829
May 01, 2014	May 30, 2014	0.672718
Jun 02, 2014	Jun 30, 2014	0.664705
Jul 01, 2014	Jul 31, 2014	0.659547
Aug 01, 2014	Aug 29, 2014	0.653154
Sep 02, 2014	Sep 30, 2014	0.649289
Oct 01, 2014	Oct 31, 2014	0.643010
Nov 03, 2014	Nov 28, 2014	0.638142
Dec 01, 2014	Dec 31, 2014	0.633403
Jan 02, 2015	Jan 30, 2015	0.625128
Feb 02, 2015	Feb 27, 2015	0.617821
Mar 02, 2015	Mar 31, 2015	0.612623
Apr 01, 2015	Apr 30, 2015	0.604842
May 01, 2015	May 29, 2015	0.600800
Jun 01, 2015		0.592898

1A9 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
		1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Jui 01, 2011	Jul 29, 2011	1.000000

1A9 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	1.000000
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	0.991894
Dec 01, 2011	Dec 30, 2011	0.981755
Jan 03, 2012	Jan 31, 2012	0.966039
Feb 01, 2012	Feb 29, 2012	0.953651
Mar 01, 2012	Mar 30, 2012	0.948761
Apr 02, 2012	Apr 30, 2012	0.932231
May 01, 2012	May 31, 2012	0.922256
Jun 01, 2012	Jun 29, 2012	0.915743
Jul 02, 2012	Jul 31, 2012	0.905562
Aug 01, 2012	Aug 31, 2012	0.891484
Sep 04, 2012	Sep 28, 2012	0.881858
Oct 01, 2012	Oct 31, 2012	0.865013
Nov 01, 2012	Nov 30, 2012	0.851396
Dec 03, 2012	Dec 31, 2012	0.842838
Jan 02, 2013	Jan 31, 2013	0.829318
Feb 01, 2013	Feb 28, 2013	0.822108
Mar 01, 2013	Mar 29, 2013	0.811252
Apr 01, 2013	Apr 30, 2013	0.793113
May 01, 2013	May 31, 2013	0.776236
Jun 03, 2013	Jun 28, 2013	0.760203
Jul 01, 2013	Jul 31, 2013	0.747047
Aug 01, 2013	Aug 30, 2013	0.735674
Sep 03, 2013	Sep 30, 2013	0.720326
Oct 01, 2013	Oct 31, 2013	0.708502
Nov 01, 2013	Nov 29, 2013	0.700173
Dec 02, 2013	Dec 31, 2013	0.697643
Jan 02, 2014	Jan 31, 2014	0.688404
Feb 03, 2014	Feb 28, 2014	0.685267
Mar 03, 2014	Mar 31, 2014	0.673091
Apr 01, 2014	Apr 30, 2014	0.671244
May 01, 2014	May 30, 2014	0.664864
Jun 02, 2014	Jun 30, 2014	0.656499
Jul 01, 2014	Jul 31, 2014	0.651115
Aug 01, 2014	Aug 29, 2014	0.644441
Sep 02, 2014	Sep 30, 2014	0.640407
Oct 01, 2014	Oct 31, 2014	0.633853
Nov 03, 2014	Nov 28, 2014	0.628772
Dec 01, 2014	Dec 31, 2014	0.623829
Jan 02, 2015	Jan 30, 2015	0.615197
Feb 02, 2015	Feb 27, 2015	0.607576
Mar 02, 2015	Mar 31, 2015	0.602154
Apr 01, 2015	Apr 30, 2015	0.594037
May 01, 2015	May 29, 2015	0.589821
Jun 01, 2015		0.581579
		0.301373

1A10 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000

1A10 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	1.000000
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	0.991894
Dec 01, 2011	Dec 30, 2011	0.981942
Jan 03, 2012	Jan 31, 2012	0.966839
Feb 01, 2012	Feb 29, 2012	0.955659
Mar 01, 2012	Mar 30, 2012	0.951467
Apr 02, 2012	Apr 30, 2012	0.937685
May 01, 2012	May 31, 2012	0.929785
Jun 01, 2012	Jun 29, 2012	0.924878
Jul 02, 2012	Jul 31, 2012	0.917507
Aug 01, 2012	Aug 31, 2012	0.907725
Sep 04, 2012	Sep 28, 2012	0.901228
Oct 01, 2012	Oct 31, 2012	0.890403
Nov 01, 2012	Nov 30, 2012	0.882051
Dec 03, 2012	Dec 31, 2012	0.877003
Jan 02, 2013	Jan 31, 2013	0.869255
Feb 01, 2013	Feb 28, 2013	0.865395
Mar 01, 2013	Mar 29, 2013	0.859777
Apr 01, 2013	Apr 30, 2013	0.850611
May 01, 2013	May 31, 2013	0.842886
Jun 03, 2013	Jun 28, 2013	0.835851
Jul 01, 2013	Jul 31, 2013	0.830573
Aug 01, 2013	Aug 30, 2013	0.826214
Sep 03, 2013	Sep 30, 2013	0.820726
Oct 01, 2013	Oct 31, 2013	0.816546
Nov 01, 2013	Nov 29, 2013	0.813693
Dec 02, 2013	Dec 31, 2013	0.812871
Jan 02, 2014	Jan 31, 2014	0.809926
Feb 03, 2014	Feb 28, 2014	0.808965
Mar 03, 2014	Mar 31, 2014	0.805426
Apr 01, 2014	Apr 30, 2014	0.804924
May 01, 2014	May 30, 2014	0.803197
Jun 02, 2014	Jun 30, 2014	0.801057
Jul 01, 2014	Jul 31, 2014	0.799677
Aug 01, 2014	Aug 29, 2014	0.798009
Sep 02, 2014	Sep 30, 2014	0.797017
Oct 01, 2014	Oct 31, 2014	0.795469
Nov 03, 2014	Nov 28, 2014	0.794410
Dec 01, 2014	Dec 31, 2014	0.793340
Jan 02, 2015	Jan 30, 2015	0.791771
Feb 02, 2015	Feb 27, 2015	0.790414
Mar 02, 2015	Mar 31, 2015	0.789521
Apr 01, 2015	Apr 30, 2015	0.788392
May 01, 2015	May 29, 2015	0.787806
Jun 01, 2015		0.786676

1A11 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.997699
Jul 02, 2007	Jul 31, 2007	0.994997
Aug 01, 2007	Aug 31, 2007	0.991895
Sep 04, 2007	Sep 28, 2007	0.988395
Oct 01, 2007	Oct 31, 2007	0.984498
Nov 01, 2007	Nov 30, 2007	0.980205
Dec 03, 2007	Dec 31, 2007	0.975518
Jan 02, 2008	Jan 31, 2008	0.970439
Feb 01, 2008	Feb 29, 2008	0.964970
Mar 03, 2008	Mar 31, 2008	
Apr 01, 2008	Apr 30, 2008	0.959114
May 01, 2008	May 30, 2008	0.952874
Jun 02, 2008	Jun 30, 2008	0.946253
Jul 01, 2008	Jul 31, 2008	0.939253
Aug 01, 2008	Aug 29, 2008	0.931879
Sep 02, 2008	Sep 30, 2008	0.924134
	•	0.916022
Oct 01, 2008	Oct 31, 2008	0.907548
Nov 03, 2008	Nov 28, 2008	0.898717
Dec 01, 2008	Dec 31, 2008	0.895213
Jan 02, 2009	Jan 30, 2009	0.887970
Feb 02, 2009	Feb 27, 2009	0.870133
Mar 02, 2009	Mar 31, 2009	0.859928
Apr 01, 2009	Apr 30, 2009	0.849398
May 01, 2009	May 29, 2009	0.838563
Jun 01, 2009	Jun 30, 2009	0.827433
Jul 01, 2009	Jul 31, 2009	0.816027
Aug 03, 2009	Aug 31, 2009	0.804385
Sep 01, 2009	Sep 30, 2009	0.792527
Oct 01, 2009	Oct 30, 2009	0.783515
Nov 02, 2009	Nov 30, 2009	0.770583
Dec 01, 2009	Dec 31, 2009	0.757073
Jan 04, 2010	Jan 29, 2010	0.745411
Feb 01, 2010	Feb 26, 2010	0.733826
Mar 01, 2010	Mar 31, 2010	0.722318
Apr 01, 2010	Apr 30, 2010	0.710886
May 03, 2010	May 28, 2010	0.704341
Jun 01, 2010	Jun 30, 2010	0.689669
Jul 01, 2010	Jul 30, 2010	0.677042
Aug 02, 2010	Aug 31, 2010	0.665910
Sep 01, 2010	Sep 30, 2010	0.654852
Oct 01, 2010	Oct 29, 2010	0.643867
Nov 01, 2010	Nov 30, 2010	0.632955
Dec 01, 2010	Dec 31, 2010	0.622114
Jan 03, 2011	Jan 31, 2011	0.611346
Feb 01, 2011	Feb 28, 2011	0.600650
Mar 01, 2011	Mar 31, 2011	0.590024
Apr 01, 2011	Apr 29, 2011	0.579468
May 02, 2011	May 31, 2011	0.568983
Jun 01, 2011	Jun 30, 2011	0.558567
Jul 01, 2011	Jul 29, 2011	0.548221

1A11 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.537943
Sep 01, 2011	Sep 30, 2011	0.527733
Oct 03, 2011	Oct 31, 2011	0.517591
Nov 01, 2011	Nov 30, 2011	0.513395
Dec 01, 2011	Dec 30, 2011	0.508147
Jan 03, 2012	Jan 31, 2012	0.500013
Feb 01, 2012	Feb 29, 2012	0.493601
Mar 01, 2012	Mar 30, 2012	0.491070
Apr 02, 2012	Apr 30, 2012	0.482514
May 01, 2012	May 31, 2012	0.477351
Jun 01, 2012	Jun 29, 2012	0.473980
Jul 02, 2012	Jul 31, 2012	0.468711
Aug 01, 2012	Aug 31, 2012	0.461424
Sep 04, 2012	Sep 28, 2012	0.456442
Oct 01, 2012	Oct 31, 2012	0.447723
Nov 01, 2012	Nov 30, 2012	0.440675
Dec 03, 2012	Dec 31, 2012	0.436245
Jan 02, 2013	Jan 31, 2013	0.429247
Feb 01, 2013	Feb 28, 2013	0.425515
Mar 01, 2013	Mar 29, 2013	0.419897
Apr 01, 2013	Apr 30, 2013	0.410508
May 01, 2013	May 31, 2013	0.401773
Jun 03, 2013	Jun 28, 2013	0.393474
Jul 01, 2013	Jul 31, 2013	0.386626
Aug 01, 2013	Aug 30, 2013	0.380690
Sep 03, 2013	Sep 30, 2013	0.372646
Oct 01, 2013	Oct 31, 2013	0.366445
Nov 01, 2013	Nov 29, 2013	0.362069
Dec 02, 2013	Dec 31, 2013	0.360736
Jan 02, 2014	Jan 31, 2014	0.355863
Feb 03, 2014	Feb 28, 2014	0.354206
Mar 03, 2014	Mar 31, 2014	0.347755
Apr 01, 2014	Apr 30, 2014	0.346774
May 01, 2014	May 30, 2014	0.343384
Jun 02, 2014	Jun 30, 2014	0.338929
Jul 01, 2014	Jul 31, 2014	0.336061
Aug 01, 2014	Aug 29, 2014	0.332502
Sep 02, 2014	Sep 30, 2014	0.330350
Oct 01, 2014	Oct 31, 2014	0.326847
Nov 03, 2014	Nov 28, 2014	0.324120
Dec 01, 2014	Dec 31, 2014	0.321466
Jan 02, 2015	Jan 30, 2015	0.316809
Feb 02, 2015	Feb 27, 2015	0.312693
Mar 02, 2015	Mar 31, 2015	0.309760
Apr 01, 2015	Apr 30, 2015	0.305352
May 01, 2015	May 29, 2015	0.303062
Jun 01, 2015		0.298584
	-	

1A12 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000

1A12 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	1.000000
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	0.991894
Dec 01, 2011	Dec 30, 2011	0.981777
Jan 03, 2012	Jan 31, 2012	0.966132
Feb 01, 2012	Feb 29, 2012	0.953886
Mar 01, 2012	Mar 30, 2012	0.949077
Apr 02, 2012	Apr 30, 2012	0.932869
May 01, 2012	May 31, 2012	0.923136
Jun 01, 2012	Jun 29, 2012	0.916811
Jul 02, 2012	Jul 31, 2012	0.906962
Aug 01, 2012	Aug 31, 2012	0.893395
Sep 04, 2012	Sep 28, 2012	0.884142
Oct 01, 2012	Oct 31, 2012	0.868016
Nov 01, 2012	Nov 30, 2012	0.855032
Dec 03, 2012	Dec 31, 2012	0.846897
Jan 02, 2013	Jan 31, 2013	0.834072
Feb 01, 2013	Feb 28, 2013	0.827267
Mar 01, 2013	Mar 29, 2013	0.817046
Apr 01, 2013	Apr 30, 2013	0.799995
May 01, 2013	May 31, 2013	0.784230
Jun 03, 2013	Jun 28, 2013	0.769292
Jul 01, 2013	Jul 31, 2013	0.757038
Aug 01, 2013	Aug 30, 2013	0.746444
Sep 03, 2013	Sep 30, 2013	0.732148
Oct 01, 2013	Oct 31, 2013	0.721134
Nov 01, 2013	Nov 29, 2013	0.713374
Dec 02, 2013	Dec 31, 2013	0.711017
Jan 02, 2014	Jan 31, 2014	0.702410
Feb 03, 2014	Feb 28, 2014	0.699487
Mar 03, 2014	Mar 31, 2014	0.688142
Apr 01, 2014	Apr 30, 2014	0.686422
May 01, 2014	May 30, 2014	0.680478
Jun 02, 2014	Jun 30, 2014	0.672683
Jul 01, 2014	Jul 31, 2014	0.667666
Aug 01, 2014	Aug 29, 2014	0.661446
Sep 02, 2014	Sep 30, 2014	0.657687
Oct 01, 2014	Oct 31, 2014	0.651578
Nov 03, 2014	Nov 28, 2014	0.646841
Dec 01, 2014	Dec 31, 2014	0.642229
Jan 02, 2015	Jan 30, 2015	0.634174
Feb 02, 2015	Feb 27, 2015	0.627062
Mar 02, 2015	Mar 31, 2015	0.622003
Apr 01, 2015	Apr 30, 2015	0.614428
May 01, 2015	May 29, 2015	0.610495
Jun 01, 2015		0.602803

1A13 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.996796
Jul 02, 2007	Jul 31, 2007	0.988979
Aug 01, 2007	Aug 31, 2007	0.980660
Sep 04, 2007	Sep 28, 2007	0.972983
Oct 01, 2007	Oct 31, 2007	
Nov 01, 2007	Nov 30, 2007	0.966172
Dec 03, 2007	Dec 31, 2007	0.961039
Jan 02, 2008	Jan 31, 2008	0.955653
Feb 01, 2008	Feb 29, 2008	0.949353
Mar 03, 2008	Mar 31, 2008	0.943717
		0.933453
Apr 01, 2008	Apr 30, 2008	0.919620
May 01, 2008	May 30, 2008	0.909788
Jun 02, 2008	Jun 30, 2008	0.898306
Jul 01, 2008	Jul 31, 2008	0.887205
Aug 01, 2008	Aug 29, 2008	0.878852
Sep 02, 2008	Sep 30, 2008	0.872171
Oct 01, 2008	Oct 31, 2008	0.864995
Nov 03, 2008	Nov 28, 2008	0.857566
Dec 01, 2008	Dec 31, 2008	0.854868
Jan 02, 2009	Jan 30, 2009	0.849293
Feb 02, 2009	Feb 27, 2009	0.834782
Mar 02, 2009	Mar 31, 2009	0.818300
Apr 01, 2009	Apr 30, 2009	0.800327
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	0.783951
Jul 01, 2009	Jul 31, 2009	0.764913
Aug 03, 2009	Aug 31, 2009	0.744741
Sep 01, 2009	Sep 30, 2009	0.734804
Oct 01, 2009	Oct 30, 2009	0.721128
Nov 02, 2009	Nov 30, 2009	0.714192
Dec 01, 2009	Dec 31, 2009	0.704237
Jan 04, 2010	Jan 29, 2010	0.689568
Feb 01, 2010	Feb 26, 2010	0.672294
Mar 01, 2010	Mar 31, 2010	0.662470
Apr 01, 2010	Apr 30, 2010	0.653065
May 03, 2010	May 28, 2010	0.641074
Jun 01, 2010	Jun 30, 2010	0.636036
Jul 01, 2010	Jul 30, 2010	0.624742
Aug 02, 2010		0.614379
	Aug 31, 2010	0.594937
Sep 01, 2010	Sep 30, 2010	0.578351
Oct 01, 2010	Oct 29, 2010	0.567998
Nov 01, 2010 Dec 01, 2010	Nov 30, 2010 Dec 31, 2010	0.548839
		0.532633
Jan 03, 2011	Jan 31, 2011	0.508721
Feb 01, 2011	Feb 28, 2011	0.499202
Mar 01, 2011	Mar 31, 2011	0.485710
Apr 01, 2011	Apr 29, 2011	0.477126
May 02, 2011	May 31, 2011	0.466577
Jun 01, 2011	Jun 30, 2011	0.458413
Jul 01, 2011	Jul 29, 2011	0.450321

1A13 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.440879
Sep 01, 2011	Sep 30, 2011	0.429873
Oct 03, 2011	Oct 31, 2011	0.418683
Nov 01, 2011	Nov 30, 2011	0.415290
Dec 01, 2011	Dec 30, 2011	0.411054
Jan 03, 2012	Jan 31, 2012	0.404504
Feb 01, 2012	Feb 29, 2012	0.399376
Mar 01, 2012	Mar 30, 2012	0.397363
Apr 02, 2012	Apr 30, 2012	0.390577
May 01, 2012	May 31, 2012	0.386502
Jun 01, 2012	Jun 29, 2012	0.383854
Jul 02, 2012	Jul 31, 2012	0.379730
Aug 01, 2012	Aug 31, 2012	0.374050
Sep 04, 2012	Sep 28, 2012	0.370175
Oct 01, 2012	Oct 31, 2012	0.363424
Nov 01, 2012	Nov 30, 2012	0.357988
Dec 03, 2012	Dec 31, 2012	0.354582
Jan 02, 2013	Jan 31, 2013	0.349212
Feb 01, 2013	Feb 28, 2013	0.346363
Mar 01, 2013	Mar 29, 2013	0.342084
Apr 01, 2013	Apr 30, 2013	0.334945
May 01, 2013	May 31, 2013	0.328344
Jun 03, 2013	Jun 28, 2013	0.322090
Jul 01, 2013	Jul 31, 2013	0.316959
Aug 01, 2013	Aug 30, 2013	0.312524
Sep 03, 2013	Sep 30, 2013	0.306538
Oct 01, 2013	Oct 31, 2013	0.301927
Nov 01, 2013	Nov 29, 2013	0.298678
Dec 02, 2013	Dec 31, 2013	0.297691
Jan 02, 2014	Jan 31, 2014	0.294087
Feb 03, 2014	Feb 28, 2014	0.292864
Mar 03, 2014	Mar 31, 2014	0.288114
Apr 01, 2014	Apr 30, 2014	0.287393
May 01, 2014	May 30, 2014	0.284905
Jun 02, 2014	Jun 30, 2014	0.281641
Jul 01, 2014	Jul 31, 2014	0.279541
Aug 01, 2014	Aug 29, 2014	0.276937
Sep 02, 2014	Sep 30, 2014	0.275363
Oct 01, 2014	Oct 31, 2014	0.272805
Nov 03, 2014	Nov 28, 2014	0.270822
Dec 01, 2014	Dec 31, 2014	0.268891
Jan 02, 2015	Jan 30, 2015	0.265518
Feb 02, 2015	Feb 27, 2015	0.262541
Mar 02, 2015	Mar 31, 2015	0.260422
Apr 01, 2015	Apr 30, 2015	0.257251
May 01, 2015	May 29, 2015	0.255604
Jun 01, 2015		0.252384

1A14 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
. ,	Oct 31, 2008	1.000000
Oct 01, 2008	•	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000

1A14 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	1.000000
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	0.991894
Dec 01, 2011	Dec 30, 2011	0.981777
Jan 03, 2012	Jan 31, 2012	0.966132
Feb 01, 2012	Feb 29, 2012	0.953886
Mar 01, 2012	Mar 30, 2012	0.949077
Apr 02, 2012	Apr 30, 2012	0.932869
May 01, 2012	May 31, 2012	0.923136
Jun 01, 2012	Jun 29, 2012	0.916811
Jul 02, 2012	Jul 31, 2012	0.906962
Aug 01, 2012	Aug 31, 2012	0.893395
Sep 04, 2012	Sep 28, 2012	0.884142
Oct 01, 2012	Oct 31, 2012	0.868016
Nov 01, 2012	Nov 30, 2012	0.855032
Dec 03, 2012	Dec 31, 2012	0.846897
Jan 02, 2013	Jan 31, 2013	0.834072
Feb 01, 2013	Feb 28, 2013	0.827267
Mar 01, 2013	Mar 29, 2013	0.817046
Apr 01, 2013	Apr 30, 2013	0.799995
May 01, 2013	May 31, 2013	0.784230
Jun 03, 2013	Jun 28, 2013	0.769292
Jul 01, 2013	Jul 31, 2013	0.757038
Aug 01, 2013	Aug 30, 2013	0.746444
Sep 03, 2013	Sep 30, 2013	0.732148
Oct 01, 2013	Oct 31, 2013	0.721134
Nov 01, 2013	Nov 29, 2013	0.713374
Dec 02, 2013	Dec 31, 2013	0.711017
Jan 02, 2014	Jan 31, 2014	0.702410
Feb 03, 2014	Feb 28, 2014	0.699487
Mar 03, 2014	Mar 31, 2014	0.688142
Apr 01, 2014	Apr 30, 2014	0.686422
May 01, 2014	May 30, 2014	0.680478
Jun 02, 2014	Jun 30, 2014	0.672683
Jul 01, 2014	Jul 31, 2014	0.667666
Aug 01, 2014	Aug 29, 2014	0.661446
Sep 02, 2014	Sep 30, 2014	0.657687
Oct 01, 2014	Oct 31, 2014	0.651578
Nov 03, 2014	Nov 28, 2014	0.646841
Dec 01, 2014	Dec 31, 2014	0.642229
Jan 02, 2015	Jan 30, 2015	0.634174
Feb 02, 2015	Feb 27, 2015	0.627062
Mar 02, 2015	Mar 31, 2015	0.622003
Apr 01, 2015	Apr 30, 2015	0.614428
May 01, 2015	May 29, 2015	0.610495
Jun 01, 2015		0.602803

1A15 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.997019
Jul 02, 2007	Jul 31, 2007	0.990152
Aug 01, 2007	Aug 31, 2007	0.984036
Sep 04, 2007	Sep 28, 2007	0.979237
Oct 01, 2007	Oct 31, 2007	0.971478
Nov 01, 2007	Nov 30, 2007	0.963434
Dec 03, 2007	Dec 31, 2007	0.961042
Jan 02, 2008	Jan 31, 2008	0.952015
Feb 01, 2008	Feb 29, 2008	
Mar 03, 2008	Mar 31, 2008	0.943924
Apr 01, 2008	Apr 30, 2008	0.936165
May 01, 2008	May 30, 2008	0.919927
Jun 02, 2008	Jun 30, 2008	0.905999
Jul 01, 2008	Jul 31, 2008	0.896669
Aug 01, 2008	Aug 29, 2008	0.884554
Sep 02, 2008		0.879685
. ,	Sep 30, 2008	0.876469
Oct 01, 2008	Oct 31, 2008	0.871369
Nov 03, 2008	Nov 28, 2008	0.868513
Dec 01, 2008	Dec 31, 2008	0.866146
Jan 02, 2009	Jan 30, 2009	0.857536
Feb 02, 2009	Feb 27, 2009	0.850604
Mar 02, 2009	Mar 31, 2009	0.843781
Apr 01, 2009	Apr 30, 2009	0.828728
May 01, 2009	May 29, 2009	0.821236
Jun 01, 2009	Jun 30, 2009	0.810361
Jul 01, 2009	Jul 31, 2009	0.800105
Aug 03, 2009	Aug 31, 2009	0.792779
Sep 01, 2009	Sep 30, 2009	0.787976
Oct 01, 2009	Oct 30, 2009	0.781752
Nov 02, 2009	Nov 30, 2009	0.772459
Dec 01, 2009	Dec 31, 2009	0.764232
Jan 04, 2010	Jan 29, 2010	0.756594
Feb 01, 2010	Feb 26, 2010	0.752926
Mar 01, 2010	Mar 31, 2010	0.745700
Apr 01, 2010	Apr 30, 2010	0.738735
May 03, 2010	May 28, 2010	0.731866
Jun 01, 2010	Jun 30, 2010	0.722733
Jul 01, 2010	Jul 30, 2010	0.714995
Aug 02, 2010	Aug 31, 2010	0.700030
Sep 01, 2010	Sep 30, 2010	0.692013
Oct 01, 2010	Oct 29, 2010	0.685116
Nov 01, 2010	Nov 30, 2010	0.678880
Dec 01, 2010	Dec 31, 2010	0.663297
Jan 03, 2011	Jan 31, 2011	0.654365
Feb 01, 2011	Feb 28, 2011	0.647944
Mar 01, 2011	Mar 31, 2011	0.641369
Apr 01, 2011	Apr 29, 2011	0.634864
May 02, 2011	May 31, 2011	0.633000
Jun 01, 2011	Jun 30, 2011	0.631140
Jul 01, 2011	Jul 29, 2011	0.627624

1A15 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.620377
Sep 01, 2011	Sep 30, 2011	0.616915
Oct 03, 2011	Oct 31, 2011	0.613274
Nov 01, 2011	Nov 30, 2011	0.606947
Dec 01, 2011	Dec 30, 2011	0.601432
Jan 03, 2012	Jan 31, 2012	0.597409
Feb 01, 2012	Feb 29, 2012	0.591536
Mar 01, 2012	Mar 30, 2012	0.590150
Apr 02, 2012	Apr 30, 2012	0.581948
May 01, 2012	May 31, 2012	0.576342
Jun 01, 2012	Jun 29, 2012	0.573649
Jul 02, 2012	Jul 31, 2012	0.568969
Aug 01, 2012	Aug 31, 2012	0.564840
Sep 04, 2012	Sep 28, 2012	0.559251
Oct 01, 2012	Oct 31, 2012	0.545426
Nov 01, 2012	Nov 30, 2012	0.536685
Dec 03, 2012	Dec 31, 2012	0.529707
Jan 02, 2013	Jan 31, 2013	0.525091
Feb 01, 2013	Feb 28, 2013	0.521731
Mar 01, 2013	Mar 29, 2013	0.517322
Apr 01, 2013	Apr 30, 2013	0.509685
May 01, 2013	May 31, 2013	0.504749
Jun 03, 2013	Jun 28, 2013	0.499222
Jul 01, 2013	Jul 31, 2013	0.493738
Aug 01, 2013	Aug 30, 2013	0.482612
Sep 03, 2013	Sep 30, 2013	0.475289
Oct 01, 2013	Oct 31, 2013	0.473824
Nov 01, 2013	Nov 29, 2013	0.471597
Dec 02, 2013	Dec 31, 2013	0.469907
Jan 02, 2014	Jan 31, 2014	0.465073
Feb 03, 2014	Feb 28, 2014	0.462511
Mar 03, 2014	Mar 31, 2014	0.453714
Apr 01, 2014	Apr 30, 2014	0.453189
May 01, 2014	May 30, 2014	0.451626
Jun 02, 2014	Jun 30, 2014	0.443949
Jul 01, 2014	Jul 31, 2014	0.438771
Aug 01, 2014	Aug 29, 2014	0.438145
Sep 02, 2014	Sep 30, 2014	0.434543
Oct 01, 2014	Oct 31, 2014	0.431432
Nov 03, 2014	Nov 28, 2014	0.428242
Dec 01, 2014	Dec 31, 2014	0.425962
Jan 02, 2015	Jan 30, 2015	0.423877
Feb 02, 2015	Feb 27, 2015	0.418910
Mar 02, 2015	Mar 31, 2015	0.417402
Apr 01, 2015	Apr 30, 2015	0.414003
May 01, 2015	May 29, 2015	0.411901
Jun 01, 2015		0.408183

1A16 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	1.000000
Jun 25, 2007	Jul 24, 2007	0.997019
Jul 25, 2007	Aug 24, 2007	0.990152
Aug 27, 2007	Sep 24, 2007	0.984036
Sep 25, 2007	Oct 24, 2007	0.979237
Oct 25, 2007	Nov 23, 2007	0.971478
Nov 26, 2007	Dec 24, 2007	0.963434
Dec 26, 2007	Jan 24, 2008	0.961042
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	0.952015
Mar 25, 2008	Apr 24, 2008	0.943924
Apr 25, 2008	May 23, 2008	0.936165
May 27, 2008	Jun 24, 2008	0.919927
Jun 25, 2008	Jul 24, 2008	0.905999
Jul 25, 2008	Aug 22, 2008	0.896669
Aug 25, 2008	Sep 24, 2008	0.884554
Sep 25, 2008	Oct 24, 2008	0.879685
-		0.876469
Oct 27, 2008	Nov 24, 2008	0.871369
Nov 25, 2008	Dec 24, 2008	0.868513
Dec 26, 2008	Jan 23, 2009	0.866146
Jan 26, 2009	Feb 24, 2009	0.857536
Feb 25, 2009	Mar 24, 2009	0.850604
Mar 25, 2009	Apr 24, 2009	0.843781
Apr 27, 2009	May 22, 2009	0.828728
May 26, 2009	Jun 24, 2009	0.821236
Jun 25, 2009	Jul 24, 2009	0.810361
Jul 27, 2009	Aug 24, 2009	0.800105
Aug 25, 2009	Sep 24, 2009	0.792779
Sep 25, 2009	Oct 23, 2009	0.787976
Oct 26, 2009	Nov 24, 2009	0.781752
Nov 25, 2009	Dec 24, 2009	0.772459
Dec 28, 2009	Jan 22, 2010	0.764232
Jan 25, 2010	Feb 24, 2010	0.756594
Feb 25, 2010	Mar 24, 2010	0.752926
Mar 25, 2010	Apr 23, 2010	0.745700
Apr 26, 2010	May 24, 2010	0.738735
May 25, 2010	Jun 24, 2010	0.731866
Jun 25, 2010	Jul 23, 2010	0.722733
Jul 26, 2010	Aug 24, 2010	0.714995
Aug 25, 2010	Sep 24, 2010	0.700030
Sep 27, 2010	Oct 22, 2010	0.692013
Oct 25, 2010	Nov 24, 2010	0.685116
Nov 26, 2010	Dec 23, 2010	0.678880
Dec 27, 2010	Jan 24, 2011	0.663297
Jan 25, 2011	Feb 24, 2011	0.654365
Feb 25, 2011	Mar 24, 2011	0.647944
Mar 25, 2011	Apr 22, 2011	0.641369
Apr 25, 2011	May 24, 2011	0.634864
May 25, 2011	Jun 24, 2011	0.633000
Jun 27, 2011	Jul 22, 2011	0.631140
Jul 25, 2011	Aug 24, 2011	0.627624

1A16 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	0.620377
Sep 26, 2011	Oct 24, 2011	0.616915
Oct 25, 2011	Nov 23, 2011	0.613274
Nov 25, 2011	Dec 23, 2011	0.606947
Dec 27, 2011	Jan 24, 2012	0.601432
Jan 25, 2012	Feb 24, 2012	0.597409
Feb 27, 2012	Mar 23, 2012	0.591536
Mar 26, 2012	Apr 24, 2012	0.590150
Apr 25, 2012	May 24, 2012	0.581948
May 25, 2012	Jun 22, 2012	0.576342
Jun 25, 2012	Jul 24, 2012	0.573649
Jul 25, 2012	Aug 24, 2012	0.568969
Aug 27, 2012	Sep 24, 2012	0.564840
Sep 25, 2012	Oct 24, 2012	0.559251
Oct 25, 2012	Nov 23, 2012	0.545426
Nov 26, 2012	Dec 24, 2012	0.536685
Dec 26, 2012	Jan 24, 2013	0.529707
Jan 25, 2013	Feb 22, 2013	0.525091
Feb 25, 2013	Mar 22, 2013	0.521731
Mar 25, 2013	Apr 24, 2013	0.517322
Apr 25, 2013	May 24, 2013	0.509685
May 28, 2013	Jun 24, 2013	0.504749
Jun 25, 2013	Jul 24, 2013	0.499222
Jul 25, 2013	Aug 23, 2013	0.493738
Aug 26, 2013	Sep 24, 2013	0.482612
Sep 25, 2013	Oct 24, 2013	0.475289
Oct 25, 2013	Nov 22, 2013	0.473824
Nov 25, 2013	Dec 24, 2013	0.471597
Dec 26, 2013	Jan 24, 2014	0.469907
Jan 27, 2014	Feb 24, 2014	0.465073
Feb 25, 2014	Mar 24, 2014	0.462511
Mar 25, 2014	Apr 24, 2014	0.453714
Apr 25, 2014	May 23, 2014	0.453189
May 27, 2014	Jun 24, 2014	0.451626
Jun 25, 2014	Jul 24, 2014	0.443949
Jul 25, 2014	Aug 22, 2014	0.438771
Aug 25, 2014	Sep 24, 2014	0.438145
Sep 25, 2014	Oct 24, 2014	0.434543
Oct 27, 2014	Nov 24, 2014	0.431432
Nov 25, 2014	Dec 24, 2014	0.428242
Dec 26, 2014	Jan 23, 2015	0.425962
Jan 26, 2015	Feb 24, 2015	0.423877
Feb 25, 2015	Mar 24, 2015	0.418910
Mar 25, 2015	Apr 24, 2015	0.417402
Apr 27, 2015	May 22, 2015	0.414003
May 26, 2015	Jun 24, 2015	0.411901
Jun 25, 2015		0.408183

1A17 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jun 22, 2007	0.000000
Jun 25, 2007	Jul 24, 2007	0.000000
Jul 25, 2007	Aug 24, 2007	0.000000
Aug 27, 2007	Sep 24, 2007	0.00000
Sep 25, 2007	Oct 24, 2007	0.000000
Oct 25, 2007	Nov 23, 2007	0.000000
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	0.000000
Jan 25, 2008	Feb 22, 2008	0.000000
Feb 25, 2008	Mar 24, 2008	0.000000
Mar 25, 2008	Apr 24, 2008	0.000000
Apr 25, 2008	May 23, 2008	0.000000
-	<u> </u>	0.000000
May 27, 2008	Jun 24, 2008	0.000000
Jun 25, 2008	Jul 24, 2008	0.000000
Jul 25, 2008	Aug 22, 2008	0.000000
Aug 25, 2008	Sep 24, 2008	0.000000
Sep 25, 2008	Oct 24, 2008	0.000000
Oct 27, 2008	Nov 24, 2008	0.000000
Nov 25, 2008	Dec 24, 2008	0.000000
Dec 26, 2008	Jan 23, 2009	0.000000
Jan 26, 2009	Feb 24, 2009	0.00000
Feb 25, 2009	Mar 24, 2009	0.00000
Mar 25, 2009	Apr 24, 2009	0.00000
Apr 27, 2009	May 22, 2009	0.000000
May 26, 2009	Jun 24, 2009	0.000000
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000

1A17 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 25, 2011	Sep 23, 2011	0.000000
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A18 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.999243
Jul 02, 2007	Jul 31, 2007	0.997874
Aug 01, 2007	Aug 31, 2007	0.997217
Sep 04, 2007	Sep 28, 2007	0.992359
Oct 01, 2007	Oct 31, 2007	0.991681
Nov 01, 2007	Nov 30, 2007	0.990942
Dec 03, 2007	Dec 31, 2007	0.990222
Jan 02, 2008	Jan 31, 2008	0.989492
Feb 01, 2008	Feb 29, 2008	0.986482
Mar 03, 2008	Mar 31, 2008	
Apr 01, 2008	Apr 30, 2008	0.985760
May 01, 2008	May 30, 2008	0.980126
Jun 02, 2008	Jun 30, 2008	0.979323
Jul 01, 2008	Jul 31, 2008	0.975512
Aug 01, 2008	Aug 29, 2008	0.968183
Sep 02, 2008	Sep 30, 2008	0.958628
	•	0.954761
Oct 01, 2008	Oct 31, 2008	0.946100
Nov 03, 2008	Nov 28, 2008	0.939404
Dec 01, 2008	Dec 31, 2008	0.935788
Jan 02, 2009	Jan 30, 2009	0.930866
Feb 02, 2009	Feb 27, 2009	0.922136
Mar 02, 2009	Mar 31, 2009	0.907144
Apr 01, 2009	Apr 30, 2009	0.897051
May 01, 2009	May 29, 2009	0.879270
Jun 01, 2009	Jun 30, 2009	0.876127
Jul 01, 2009	Jul 31, 2009	0.871002
Aug 03, 2009	Aug 31, 2009	0.861066
Sep 01, 2009	Sep 30, 2009	0.851863
Oct 01, 2009	Oct 30, 2009	0.848150
Nov 02, 2009	Nov 30, 2009	0.846420
Dec 01, 2009	Dec 31, 2009	0.838028
Jan 04, 2010	Jan 29, 2010	0.832764
Feb 01, 2010	Feb 26, 2010	0.830304
Mar 01, 2010	Mar 31, 2010	0.826604
Apr 01, 2010	Apr 30, 2010	0.820754
May 03, 2010	May 28, 2010	0.805995
Jun 01, 2010	Jun 30, 2010	0.795910
Jul 01, 2010	Jul 30, 2010	0.793749
Aug 02, 2010	Aug 31, 2010	0.780854
Sep 01, 2010	Sep 30, 2010	0.763913
Oct 01, 2010	Oct 29, 2010	0.758376
Nov 01, 2010	Nov 30, 2010	0.742727
Dec 01, 2010	Dec 31, 2010	0.729554
Jan 03, 2011	Jan 31, 2011	0.711287
Feb 01, 2011	Feb 28, 2011	0.705070
Mar 01, 2011	Mar 31, 2011	0.685314
Apr 01, 2011	Apr 29, 2011	0.680892
May 02, 2011	May 31, 2011	0.669723
Jun 01, 2011	Jun 30, 2011	0.660468
Jul 01, 2011	Jul 29, 2011	0.652340

1A18 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.645725
Sep 01, 2011	Sep 30, 2011	0.633150
Oct 03, 2011	Oct 31, 2011	0.625151
Nov 01, 2011	Nov 30, 2011	0.618195
Dec 01, 2011	Dec 30, 2011	0.617743
Jan 03, 2012	Jan 31, 2012	0.605146
Feb 01, 2012	Feb 29, 2012	0.599773
Mar 01, 2012	Mar 30, 2012	0.598090
Apr 02, 2012	Apr 30, 2012	0.593700
May 01, 2012	May 31, 2012	0.588867
Jun 01, 2012	Jun 29, 2012	0.588612
Jul 02, 2012	Jul 31, 2012	0.584491
Aug 01, 2012	Aug 31, 2012	0.581811
Sep 04, 2012	Sep 28, 2012	0.581123
Oct 01, 2012	Oct 31, 2012	0.581123
Nov 01, 2012	Nov 30, 2012	0.581123
Dec 03, 2012	Dec 31, 2012	0.581123
Jan 02, 2013	Jan 31, 2013	0.581123
Feb 01, 2013	Feb 28, 2013	0.581123
Mar 01, 2013	Mar 29, 2013	0.581123
Apr 01, 2013	Apr 30, 2013	0.581123
May 01, 2013	May 31, 2013	0.581123
Jun 03, 2013	Jun 28, 2013	0.581123
Jul 01, 2013	Jul 31, 2013	0.581123
Aug 01, 2013	Aug 30, 2013	0.581123
Sep 03, 2013	Sep 30, 2013	0.581123
Oct 01, 2013	Oct 31, 2013	0.581123
Nov 01, 2013	Nov 29, 2013	0.581123
Dec 02, 2013	Dec 31, 2013	0.581123
Jan 02, 2014	Jan 31, 2014	0.581123
Feb 03, 2014	Feb 28, 2014	0.581123
Mar 03, 2014	Mar 31, 2014	0.581123
Apr 01, 2014	Apr 30, 2014	0.581123
May 01, 2014	May 30, 2014	0.581123
Jun 02, 2014	Jun 30, 2014	0.581123
Jul 01, 2014	Jul 31, 2014	0.581123
Aug 01, 2014	Aug 29, 2014	0.581123
Sep 02, 2014	Sep 30, 2014	0.581123
Oct 01, 2014	Oct 31, 2014	0.581123
Nov 03, 2014	Nov 28, 2014	0.581123
Dec 01, 2014	Dec 31, 2014	0.581123
Jan 02, 2015	Jan 30, 2015	0.581123
Feb 02, 2015	Feb 27, 2015	0.581123
Mar 02, 2015	Mar 31, 2015	0.581123
Apr 01, 2015	Apr 30, 2015	0.581123
May 01, 2015	May 29, 2015	0.581123
Jun 01, 2015		0.581123
· ·		

2A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.988130
Jul 02, 2007	Jul 31, 2007	0.981399
Aug 01, 2007	Aug 31, 2007	0.973603
Sep 04, 2007	Sep 28, 2007	0.966737
Oct 01, 2007	Oct 31, 2007	
Nov 01, 2007	Nov 30, 2007	0.959859
Dec 03, 2007	Dec 31, 2007	0.952902
Jan 02, 2008	Jan 31, 2008	0.946011
Feb 01, 2008	Feb 29, 2008	0.938700
Mar 03, 2008	Mar 31, 2008	0.931774
		0.924444
Apr 01, 2008	Apr 30, 2008	0.917427
May 01, 2008	May 30, 2008	0.906108
Jun 02, 2008	Jun 30, 2008	0.899166
Jul 01, 2008	Jul 31, 2008	0.892003
Aug 01, 2008	Aug 29, 2008	0.884866
Sep 02, 2008	Sep 30, 2008	0.855077
Oct 01, 2008	Oct 31, 2008	0.848256
Nov 03, 2008	Nov 28, 2008	0.841225
Dec 01, 2008	Dec 31, 2008	0.829119
Jan 02, 2009	Jan 30, 2009	0.813140
Feb 02, 2009	Feb 27, 2009	0.789053
Mar 02, 2009	Mar 31, 2009	0.771502
Apr 01, 2009	Apr 30, 2009	0.762357
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	0.749866
Jul 01, 2009	Jul 31, 2009	0.741778
Aug 03, 2009	Aug 31, 2009	0.734853
Sep 01, 2009	Sep 30, 2009	0.708368
Oct 01, 2009	Oct 30, 2009	0.701349
Nov 02, 2009	Nov 30, 2009	0.663259
Dec 01, 2009	Dec 31, 2009	0.657112
Jan 04, 2010	Jan 29, 2010	0.610394
Feb 01, 2010	Feb 26, 2010	0.604473
Mar 01, 2010	Mar 31, 2010	0.598464
Apr 01, 2010	Apr 30, 2010	0.591996
May 03, 2010	May 28, 2010	0.585735
Jun 01, 2010	Jun 30, 2010	0.579385
Jul 01, 2010	<u> </u>	0.572650
	Jul 30, 2010	0.566534
Aug 02, 2010	Aug 31, 2010	0.545854
Sep 01, 2010	Sep 30, 2010	0.539773
Oct 01, 2010	Oct 29, 2010	0.521950
Nov 01, 2010	Nov 30, 2010	0.501031
Dec 01, 2010	Dec 31, 2010	0.495431
Jan 03, 2011	Jan 31, 2011	0.489600
Feb 01, 2011	Feb 28, 2011	0.481999
Mar 01, 2011	Mar 31, 2011	0.476197
Apr 01, 2011	Apr 29, 2011	0.470244
May 02, 2011	May 31, 2011	0.464368
Jun 01, 2011	Jun 30, 2011	0.423714
Jul 01, 2011	Jul 29, 2011	0.412547

2A1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.406017
Sep 01, 2011	Sep 30, 2011	0.398670
Oct 03, 2011	Oct 31, 2011	0.389978
Nov 01, 2011	Nov 30, 2011	0.360925
Dec 01, 2011	Dec 30, 2011	0.354849
Jan 03, 2012	Jan 31, 2012	0.348751
Feb 01, 2012	Feb 29, 2012	0.324967
Mar 01, 2012	Mar 30, 2012	0.302935
Apr 02, 2012	Apr 30, 2012	0.227079
May 01, 2012	May 31, 2012	0.221641
Jun 01, 2012	Jun 29, 2012	0.217395
Jul 02, 2012	Jul 31, 2012	0.212922
Aug 01, 2012	Aug 31, 2012	0.208783
Sep 04, 2012	Sep 28, 2012	0.176300
Oct 01, 2012	Oct 31, 2012	0.173430
Nov 01, 2012	Nov 30, 2012	0.169596
Dec 03, 2012	Dec 31, 2012	0.165251
Jan 02, 2013	Jan 31, 2013	0.161741
Feb 01, 2013	Feb 28, 2013	0.158191
Mar 01, 2013	Mar 29, 2013	0.154568
Apr 01, 2013	Apr 30, 2013	0.150530
May 01, 2013	May 31, 2013	0.139833
Jun 03, 2013	Jun 28, 2013	0.134369
Jul 01, 2013	Jul 31, 2013	0.131532
Aug 01, 2013	Aug 30, 2013	0.124260
Sep 03, 2013	Sep 30, 2013	0.121933
Oct 01, 2013	Oct 31, 2013	0.119622
Nov 01, 2013	Nov 29, 2013	0.117267
Dec 02, 2013	Dec 31, 2013	0.111126
Jan 02, 2014	Jan 31, 2014	0.108740
Feb 03, 2014	Feb 28, 2014	0.107031
Mar 03, 2014	Mar 31, 2014	0.104509
Apr 01, 2014	Apr 30, 2014	0.101015
May 01, 2014	May 30, 2014	0.095289
Jun 02, 2014	Jun 30, 2014	0.095289
Jul 01, 2014	Jul 31, 2014	0.075681
Aug 01, 2014	Aug 29, 2014	0.073029
Sep 02, 2014	Sep 30, 2014	0.071278
Oct 01, 2014	Oct 31, 2014	0.069664
Nov 03, 2014	Nov 28, 2014	0.067699
Dec 01, 2014	Dec 31, 2014	0.065922
Jan 02, 2015	Jan 30, 2015	0.065922
Feb 02, 2015	Feb 27, 2015	0.064192
Mar 02, 2015	Mar 31, 2015	0.062408
Apr 01, 2015	Apr 30, 2015	0.060558
May 01, 2015	May 29, 2015	0.052760
Jun 01, 2015		0.051385
-		

2A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.980789
Jul 02, 2007	Jul 31, 2007	0.952476
Aug 01, 2007	Aug 31, 2007	0.947724
Sep 04, 2007	Sep 28, 2007	0.943199
Oct 01, 2007	Oct 31, 2007	0.938407
Nov 01, 2007	Nov 30, 2007	0.932872
Dec 03, 2007	Dec 31, 2007	0.928120
Jan 02, 2008	Jan 31, 2008	0.922678
Feb 01, 2008	Feb 29, 2008	0.918024
Mar 03, 2008	Mar 31, 2008	0.848116
Apr 01, 2008	Apr 30, 2008	0.841624
May 01, 2008	May 30, 2008	0.822126
Jun 02, 2008	Jun 30, 2008	0.817654
Jul 01, 2008	Jul 31, 2008	0.812871
Aug 01, 2008	Aug 29, 2008	0.808363
Sep 02, 2008	Sep 30, 2008	0.703931
Oct 01, 2008	Oct 31, 2008	0.700092
Nov 03, 2008	Nov 28, 2008	0.695829
Dec 01, 2008	Dec 31, 2008	0.668899
Jan 02, 2009	Jan 30, 2009	0.625974
Feb 02, 2009	Feb 27, 2009	0.620194
Mar 02, 2009	Mar 31, 2009	0.616463
Apr 01, 2009	Apr 30, 2009	
May 01, 2009	May 29, 2009	0.605733
Jun 01, 2009	Jun 30, 2009	0.582508
Jul 01, 2009	Jul 31, 2009	0.565295
Aug 03, 2009	Aug 31, 2009	0.561537 0.532588
Sep 01, 2009	Sep 30, 2009	0.513410
Oct 01, 2009	Oct 30, 2009	0.510319
Nov 02, 2009	Nov 30, 2009	0.507211
Dec 01, 2009	Dec 31, 2009	0.502234
Jan 04, 2010	Jan 29, 2010	0.498818
Feb 01, 2010	Feb 26, 2010	0.495668
Mar 01, 2010	Mar 31, 2010	0.492379
Apr 01, 2010	Apr 30, 2010	0.488973
May 03, 2010	May 28, 2010	0.484794
Jun 01, 2010	Jun 30, 2010	0.481282
Jul 01, 2010	Jul 30, 2010	0.477472
Aug 02, 2010	Aug 31, 2010	0.468808
Sep 01, 2010	Sep 30, 2010	0.465020
Oct 01, 2010	Oct 29, 2010	0.461853
Nov 01, 2010	Nov 30, 2010	0.436084
Dec 01, 2010	Dec 31, 2010	0.433104
Jan 03, 2011	Jan 31, 2011	0.427936
Feb 01, 2011	Feb 28, 2011	0.424771
Mar 01, 2011	Mar 31, 2011	0.386224
Apr 01, 2011	Apr 29, 2011	0.353930
May 02, 2011	May 31, 2011	0.344015
Jun 01, 2011	Jun 30, 2011	0.341487
Jul 01, 2011	Jul 29, 2011	0.323367

2A2 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.320945
Sep 01, 2011	Sep 30, 2011	0.318395
Oct 03, 2011	Oct 31, 2011	0.283897
Nov 01, 2011	Nov 30, 2011	0.243563
Dec 01, 2011	Dec 30, 2011	0.238738
Jan 03, 2012	Jan 31, 2012	0.227755
Feb 01, 2012	Feb 29, 2012	0.217014
Mar 01, 2012	Mar 30, 2012	0.207174
Apr 02, 2012	Apr 30, 2012	0.205361
May 01, 2012	May 31, 2012	0.203543
Jun 01, 2012	Jun 29, 2012	0.201417
Jul 02, 2012	Jul 31, 2012	0.199578
Aug 01, 2012	Aug 31, 2012	0.197613
Sep 04, 2012	Sep 28, 2012	0.195757
Oct 01, 2012	Oct 31, 2012	0.194097
Nov 01, 2012	Nov 30, 2012	0.192428
Dec 03, 2012	Dec 31, 2012	0.175864
Jan 02, 2013	Jan 31, 2013	0.174158
Feb 01, 2013	Feb 28, 2013	0.172533
Mar 01, 2013	Mar 29, 2013	0.170937
Apr 01, 2013	Apr 30, 2013	0.169334
May 01, 2013	May 31, 2013	0.167722
Jun 03, 2013	Jun 28, 2013	0.165796
Jul 01, 2013	Jul 31, 2013	0.164013
Aug 01, 2013	Aug 30, 2013	0.162343
Sep 03, 2013	Sep 30, 2013	0.143305
Oct 01, 2013	Oct 31, 2013	0.141801
Nov 01, 2013	Nov 29, 2013	0.139980
Dec 02, 2013	Dec 31, 2013	0.138470
Jan 02, 2014	Jan 31, 2014	0.136817
Feb 03, 2014	Feb 28, 2014	0.135765
Mar 03, 2014	Mar 31, 2014	0.134337
Apr 01, 2014	Apr 30, 2014	0.132517
May 01, 2014	May 30, 2014	0.130387
Jun 02, 2014	Jun 30, 2014	0.130387
Jul 01, 2014	Jul 31, 2014	0.129092
Aug 01, 2014	Aug 29, 2014	0.127674
Sep 02, 2014	Sep 30, 2014	0.126189
Oct 01, 2014	Oct 31, 2014	0.124815
Nov 03, 2014	Nov 28, 2014	0.122967
Dec 01, 2014	Dec 31, 2014	0.121454
Jan 02, 2015	Jan 30, 2015	0.121454
Feb 02, 2015	Feb 27, 2015	0.119959
Mar 02, 2015	Mar 31, 2015	0.118433
Apr 01, 2015	Apr 30, 2015	0.116882
May 01, 2015	May 29, 2015	0.115045
Jun 01, 2015		0.113774
		<u> </u>

2A3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.994780
Jul 02, 2007	Jul 31, 2007	0.979697
Aug 01, 2007	Aug 31, 2007	0.972749
Sep 04, 2007	Sep 28, 2007	0.963716
Oct 01, 2007	Oct 31, 2007	0.956878
Nov 01, 2007	Nov 30, 2007	0.952262
Dec 03, 2007	Dec 31, 2007	0.942693
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.933781 0.904956
Mar 03, 2008	Mar 31, 2008	
Apr 01, 2008	Apr 30, 2008	0.880640
May 01, 2008	May 30, 2008	0.868335
Jun 02, 2008	Jun 30, 2008	0.854320
Jul 01, 2008	Jul 31, 2008	0.845884
Aug 01, 2008	Aug 29, 2008	0.840439
Sep 02, 2008	Sep 30, 2008	0.834075
Oct 01, 2008	Oct 31, 2008	0.821341
Nov 03, 2008		0.803044
	Nov 28, 2008	0.796103
Dec 01, 2008	Dec 31, 2008	0.790554
Jan 02, 2009	Jan 30, 2009	0.780635
Feb 02, 2009	Feb 27, 2009	0.769744
Mar 02, 2009	Mar 31, 2009	0.760271
Apr 01, 2009	Apr 30, 2009	0.741161
May 01, 2009	May 29, 2009	0.711836
Jun 01, 2009	Jun 30, 2009	0.690150
Jul 01, 2009	Jul 31, 2009	0.673326
Aug 03, 2009	Aug 31, 2009	0.655472
Sep 01, 2009	Sep 30, 2009	0.634346
Oct 01, 2009	Oct 30, 2009	0.628729
Nov 02, 2009	Nov 30, 2009	0.607946
Dec 01, 2009	Dec 31, 2009	0.593176
Jan 04, 2010	Jan 29, 2010	0.561202
Feb 01, 2010	Feb 26, 2010	0.541942
Mar 01, 2010	Mar 31, 2010	0.510447
Apr 01, 2010	Apr 30, 2010	0.504948
May 03, 2010	May 28, 2010	0.491181
Jun 01, 2010	Jun 30, 2010	0.476706
Jul 01, 2010	Jul 30, 2010	0.466670
Aug 02, 2010	Aug 31, 2010	0.451818
Sep 01, 2010	Sep 30, 2010	0.435031
Oct 01, 2010	Oct 29, 2010	0.408955
Nov 01, 2010	Nov 30, 2010	0.399620
Dec 01, 2010	Dec 31, 2010	0.389736
Jan 03, 2011	Jan 31, 2011	0.374443
Feb 01, 2011	Feb 28, 2011	0.370247
Mar 01, 2011	Mar 31, 2011	0.364280
Apr 01, 2011	Apr 29, 2011	0.350046
May 02, 2011	May 31, 2011	0.335359
Jun 01, 2011	Jun 30, 2011	0.327769
Jul 01, 2011	Jul 29, 2011	0.315919

2A3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.313135
Sep 01, 2011	Sep 30, 2011	0.304084
Oct 03, 2011	Oct 31, 2011	0.301071
Nov 01, 2011	Nov 30, 2011	0.279311
Dec 01, 2011	Dec 30, 2011	0.265403
Jan 03, 2012	Jan 31, 2012	0.254839
Feb 01, 2012	Feb 29, 2012	0.247814
Mar 01, 2012	Mar 30, 2012	0.234959
Apr 02, 2012	Apr 30, 2012	0.230503
May 01, 2012	May 31, 2012	0.220594
Jun 01, 2012	Jun 29, 2012	0.203656
Jul 02, 2012	Jul 31, 2012	0.198913
Aug 01, 2012	Aug 31, 2012	0.191042
Sep 04, 2012	Sep 28, 2012	0.186939
Oct 01, 2012	Oct 31, 2012	0.180853
Nov 01, 2012	Nov 30, 2012	0.179164
Dec 03, 2012	Dec 31, 2012	0.173547
Jan 02, 2013	Jan 31, 2013	0.154524
Feb 01, 2013	Feb 28, 2013	0.150651
Mar 01, 2013	Mar 29, 2013	0.145288
Apr 01, 2013	Apr 30, 2013	0.130347
May 01, 2013	May 31, 2013	0.129112
Jun 03, 2013	Jun 28, 2013	0.116577
Jul 01, 2013	Jul 31, 2013	0.114514
Aug 01, 2013	Aug 30, 2013	0.110665
Sep 03, 2013	Sep 30, 2013	0.104560
Oct 01, 2013	Oct 31, 2013	0.103693
Nov 01, 2013	Nov 29, 2013	0.099888
Dec 02, 2013	Dec 31, 2013	0.099032
Jan 02, 2014	Jan 31, 2014	0.095826
Feb 03, 2014	Feb 28, 2014	0.093663
Mar 03, 2014	Mar 31, 2014	0.092829
Apr 01, 2014	Apr 30, 2014	0.092829
May 01, 2014	May 30, 2014	0.091968
Jun 02, 2014	Jun 30, 2014	0.091968
Jul 01, 2014	Jul 31, 2014	0.091968
Aug 01, 2014	Aug 29, 2014	0.091385
Sep 02, 2014	Sep 30, 2014	0.090758
Oct 01, 2014	Oct 31, 2014	0.090021
Nov 03, 2014	Nov 28, 2014	0.089226
Dec 01, 2014	Dec 31, 2014	0.088280
Jan 02, 2015	Jan 30, 2015	0.088280
Feb 02, 2015	Feb 27, 2015	0.086170
Mar 02, 2015	Mar 31, 2015	0.085464
Apr 01, 2015	Apr 30, 2015	0.084758
May 01, 2015	May 29, 2015	0.083782
Jun 01, 2015		0.082531

2A4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.995617
Jul 02, 2007	Jul 31, 2007	0.982460
Aug 01, 2007	Aug 31, 2007	0.974650
Sep 04, 2007	Sep 28, 2007	0.963360
Oct 01, 2007	Oct 31, 2007	0.952176
Nov 01, 2007	Nov 30, 2007	0.947956
Dec 03, 2007	Dec 31, 2007	0.935202
Jan 02, 2008	Jan 31, 2008	0.927074
Feb 01, 2008	Feb 29, 2008	0.901450
Mar 03, 2008	Mar 31, 2008	
Apr 01, 2008	Apr 30, 2008	0.885301
May 01, 2008	May 30, 2008	0.876870
Jun 02, 2008	Jun 30, 2008	0.863830
Jul 01, 2008	Jul 31, 2008	0.846467
Aug 01, 2008	Aug 29, 2008	0.835976
Sep 02, 2008	Sep 30, 2008	0.821947
	. ,	0.798984
Oct 01, 2008	Oct 31, 2008	0.787683
Nov 03, 2008	Nov 28, 2008	0.780086
Dec 01, 2008	Dec 31, 2008	0.775038
Jan 02, 2009	Jan 30, 2009	0.767281
Feb 02, 2009	Feb 27, 2009	0.754970
Mar 02, 2009	Mar 31, 2009	0.736614
Apr 01, 2009	Apr 30, 2009	0.713483
May 01, 2009	May 29, 2009	0.698446
Jun 01, 2009	Jun 30, 2009	0.689593
Jul 01, 2009	Jul 31, 2009	0.668823
Aug 03, 2009	Aug 31, 2009	0.651312
Sep 01, 2009	Sep 30, 2009	0.640146
Oct 01, 2009	Oct 30, 2009	0.634604
Nov 02, 2009	Nov 30, 2009	0.620922
Dec 01, 2009	Dec 31, 2009	0.613749
Jan 04, 2010	Jan 29, 2010	0.590843
Feb 01, 2010	Feb 26, 2010	0.580703
Mar 01, 2010	Mar 31, 2010	0.567605
Apr 01, 2010	Apr 30, 2010	0.549692
May 03, 2010	May 28, 2010	0.517285
Jun 01, 2010	Jun 30, 2010	0.504761
Jul 01, 2010	Jul 30, 2010	0.494913
Aug 02, 2010	Aug 31, 2010	0.485966
Sep 01, 2010	Sep 30, 2010	0.469519
Oct 01, 2010	Oct 29, 2010	0.457755
Nov 01, 2010	Nov 30, 2010	0.437538
Dec 01, 2010	Dec 31, 2010	0.423604
Jan 03, 2011	Jan 31, 2011	0.411127
Feb 01, 2011	Feb 28, 2011	0.406082
Mar 01, 2011	Mar 31, 2011	0.401136
Apr 01, 2011	Apr 29, 2011	0.385416
May 02, 2011	May 31, 2011	0.371381
Jun 01, 2011	Jun 30, 2011	0.357013
Jul 01, 2011	Jul 29, 2011	0.347477

2A4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.342903
Sep 01, 2011	Sep 30, 2011	0.325771
Oct 03, 2011	Oct 31, 2011	0.323465
Nov 01, 2011	Nov 30, 2011	0.312892
Dec 01, 2011	Dec 30, 2011	0.307075
Jan 03, 2012	Jan 31, 2012	0.286462
Feb 01, 2012	Feb 29, 2012	0.271363
Mar 01, 2012	Mar 30, 2012	0.266384
Apr 02, 2012	Apr 30, 2012	0.263964
May 01, 2012	May 31, 2012	0.254343
Jun 01, 2012	Jun 29, 2012	0.240183
Jul 02, 2012	Jul 31, 2012	0.233906
Aug 01, 2012	Aug 31, 2012	0.225480
Sep 04, 2012	Sep 28, 2012	0.223051
Oct 01, 2012	Oct 31, 2012	0.220089
Nov 01, 2012	Nov 30, 2012	0.215999
Dec 03, 2012	Dec 31, 2012	0.213550
Jan 02, 2013	Jan 31, 2013	0.201265
Feb 01, 2013	Feb 28, 2013	0.196609
Mar 01, 2013	Mar 29, 2013	0.194400
Apr 01, 2013	Apr 30, 2013	0.182768
May 01, 2013	May 31, 2013	0.177694
Jun 03, 2013	Jun 28, 2013	0.175701
Jul 01, 2013	Jul 31, 2013	0.174218
Aug 01, 2013	Aug 30, 2013	0.167429
Sep 03, 2013	Sep 30, 2013	0.159646
Oct 01, 2013	Oct 31, 2013	0.158592
Nov 01, 2013	Nov 29, 2013	0.155082
Dec 02, 2013	Dec 31, 2013	0.154041
Jan 02, 2014	Jan 31, 2014	0.148914
Feb 03, 2014	Feb 28, 2014	0.146882
Mar 03, 2014	Mar 31, 2014	0.139381
Apr 01, 2014	Apr 30, 2014	0.131099
May 01, 2014	May 30, 2014	0.130184
Jun 02, 2014	Jun 30, 2014	0.130184
Jul 01, 2014	Jul 31, 2014	0.130014
Aug 01, 2014	Aug 29, 2014	0.128890
Sep 02, 2014	Sep 30, 2014	0.125442
Oct 01, 2014	Oct 31, 2014	0.124637
Nov 03, 2014	Nov 28, 2014	0.122191
Dec 01, 2014	Dec 31, 2014	0.121108
Jan 02, 2015	Jan 30, 2015	0.121108
Feb 02, 2015	Feb 27, 2015	0.114094
Mar 02, 2015	Mar 31, 2015	0.113322
Apr 01, 2015	Apr 30, 2015	0.112588
May 01, 2015	May 29, 2015	0.103768
Jun 01, 2015		0.101861

2A5 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.994708
Jul 02, 2007	Jul 31, 2007	0.922834
Aug 01, 2007	Aug 31, 2007	0.918298
Sep 04, 2007	Sep 28, 2007	0.903072
Oct 01, 2007	Oct 31, 2007	
Nov 01, 2007	Nov 30, 2007	0.898746
Dec 03, 2007	Dec 31, 2007	0.893996
Jan 02, 2008	Jan 31, 2008	0.888017
Feb 01, 2008	Feb 29, 2008	0.883420
Mar 03, 2008	Mar 31, 2008	0.870219
		0.822365
Apr 01, 2008	Apr 30, 2008	0.815831
May 01, 2008	May 30, 2008	0.811236
Jun 02, 2008	Jun 30, 2008	0.806113
Jul 01, 2008	Jul 31, 2008	0.784006
Aug 01, 2008	Aug 29, 2008	0.739220
Sep 02, 2008	Sep 30, 2008	0.713137
Oct 01, 2008	Oct 31, 2008	0.708433
Nov 03, 2008	Nov 28, 2008	0.700052
Dec 01, 2008	Dec 31, 2008	0.671480
Jan 02, 2009	Jan 30, 2009	0.667859
Feb 02, 2009	Feb 27, 2009	0.661723
Mar 02, 2009	Mar 31, 2009	0.641177
Apr 01, 2009	Apr 30, 2009	0.558880
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	0.538396
Jul 01, 2009	Jul 31, 2009	0.529527
Aug 03, 2009	Aug 31, 2009	0.519442
Sep 01, 2009	Sep 30, 2009	0.492581
Oct 01, 2009	Oct 30, 2009	0.483536
Nov 02, 2009	Nov 30, 2009	0.448153
Dec 01, 2009	Dec 31, 2009	0.443789
Jan 04, 2010	Jan 29, 2010	0.438988
Feb 01, 2010	Feb 26, 2010	0.420457
Mar 01, 2010	Mar 31, 2010	0.414105
Apr 01, 2010	Apr 30, 2010	0.411780
May 03, 2010	May 28, 2010	0.380193
Jun 01, 2010	Jun 30, 2010	0.376271
Jul 01, 2010	Jul 30, 2010	0.370924
		0.368657
Aug 02, 2010 Sep 01, 2010	Aug 31, 2010 Sep 30, 2010	0.366144
Oct 01, 2010	Oct 29, 2010	0.360262
·	,	0.357984
Nov 01, 2010 Dec 01, 2010	Nov 30, 2010 Dec 31, 2010	0.345807
	· · · · · · · · · · · · · · · · · · ·	0.341074
Jan 03, 2011	Jan 31, 2011	0.338683
Feb 01, 2011	Feb 28, 2011	0.336305
Mar 01, 2011	Mar 31, 2011	0.313980
Apr 01, 2011	Apr 29, 2011	0.302186
May 02, 2011	May 31, 2011	0.295824
Jun 01, 2011	Jun 30, 2011	0.290655
Jul 01, 2011	Jul 29, 2011	0.278287

2A5 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.276425
Sep 01, 2011	Sep 30, 2011	0.260763
Oct 03, 2011	Oct 31, 2011	0.257503
Nov 01, 2011	Nov 30, 2011	0.255718
Dec 01, 2011	Dec 30, 2011	0.254187
Jan 03, 2012	Jan 31, 2012	0.249424
Feb 01, 2012	Feb 29, 2012	0.248023
Mar 01, 2012	Mar 30, 2012	0.246215
Apr 02, 2012	Apr 30, 2012	0.244458
May 01, 2012	May 31, 2012	0.241796
Jun 01, 2012	Jun 29, 2012	0.239019
Jul 02, 2012	Jul 31, 2012	0.237200
Aug 01, 2012	Aug 31, 2012	0.228875
Sep 04, 2012	Sep 28, 2012	0.226898
Oct 01, 2012	Oct 31, 2012	0.224893
Nov 01, 2012	Nov 30, 2012	0.214387
Dec 03, 2012	Dec 31, 2012	0.211878
Jan 02, 2013	Jan 31, 2013	0.207550
Feb 01, 2013	Feb 28, 2013	0.206121
Mar 01, 2013	Mar 29, 2013	0.204313
Apr 01, 2013	Apr 30, 2013	0.202180
May 01, 2013	May 31, 2013	0.194074
Jun 03, 2013	Jun 28, 2013	0.194074
Jul 01, 2013	Jul 31, 2013	0.192834
Aug 01, 2013	Aug 30, 2013	0.191162
Sep 03, 2013	Sep 30, 2013	0.189514
Oct 01, 2013	Oct 31, 2013	0.187543
Nov 01, 2013	Nov 29, 2013	0.185612
Dec 02, 2013	Dec 31, 2013	0.184233
Jan 02, 2014	Jan 31, 2014	0.182857
Feb 03, 2014	Feb 28, 2014	0.182857
Mar 03, 2014	Mar 31, 2014	0.181561
Apr 01, 2014	Apr 30, 2014	0.180157
May 01, 2014	May 30, 2014	0.178899
Jun 02, 2014	Jun 30, 2014	0.178899
Jul 01, 2014	Jul 31, 2014	0.178899
Aug 01, 2014	Aug 29, 2014	0.177713
Sep 02, 2014	Sep 30, 2014	0.176451
Oct 01, 2014	Oct 31, 2014	0.175282
Nov 03, 2014	Nov 28, 2014	0.173586
Dec 01, 2014	Dec 31, 2014	0.172110
Jan 02, 2015	Jan 30, 2015	0.172110
Feb 02, 2015	Feb 27, 2015	0.170850
Mar 02, 2015	Mar 31, 2015	0.169592
Apr 01, 2015	Apr 30, 2015	0.169592
May 01, 2015	May 29, 2015	0.154618
Jun 01, 2015		0.153712

2A6 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.993600
Jul 02, 2007	Jul 31, 2007	0.975108
Aug 01, 2007	Aug 31, 2007	0.966589
Sep 04, 2007	Sep 28, 2007	0.955513
Oct 01, 2007	Oct 31, 2007	
Nov 01, 2007	Nov 30, 2007	0.947129
Dec 03, 2007	Dec 31, 2007	0.941470
Jan 02, 2008	Jan 31, 2008	0.929739
Feb 01, 2008	Feb 29, 2008	0.918812
Mar 03, 2008	Mar 31, 2008	0.883471
		0.853658
Apr 01, 2008	Apr 30, 2008	0.838571
May 01, 2008	May 30, 2008	0.821388
Jun 02, 2008	Jun 30, 2008	0.811045
Jul 01, 2008	Jul 31, 2008	0.804369
Aug 01, 2008	Aug 29, 2008	0.796566
Sep 02, 2008	Sep 30, 2008	0.780954
Oct 01, 2008	Oct 31, 2008	0.758520
Nov 03, 2008	Nov 28, 2008	0.750010
Dec 01, 2008	Dec 31, 2008	0.743206
Jan 02, 2009	Jan 30, 2009	0.731046
Feb 02, 2009	Feb 27, 2009	0.717693
Mar 02, 2009	Mar 31, 2009	0.706078
Apr 01, 2009	Apr 30, 2009	0.682648
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	0.646694
Jul 01, 2009	Jul 31, 2009	0.620106
Aug 03, 2009	Aug 31, 2009	0.599479
Sep 01, 2009	Sep 30, 2009	0.577588
Oct 01, 2009	Oct 30, 2009	0.551687
Nov 02, 2009	Nov 30, 2009	0.544800
Dec 01, 2009	Dec 31, 2009	0.519319
Jan 04, 2010	Jan 29, 2010	0.501210
Feb 01, 2010	Feb 26, 2010	0.462008
Mar 01, 2010	Mar 31, 2010	0.438394
Apr 01, 2010	Apr 30, 2010	0.399779
May 03, 2010	May 28, 2010	0.393038
Jun 01, 2010	Jun 30, 2010	0.376158
Jul 01, 2010	Jul 30, 2010	0.358411
		0.346106
Aug 02, 2010	Aug 31, 2010	0.327897
Sep 01, 2010	Sep 30, 2010	0.307315
Oct 01, 2010	Oct 29, 2010	0.275344
Nov 01, 2010	Nov 30, 2010	0.263899
Dec 01, 2010	Dec 31, 2010	0.251781
Jan 03, 2011	Jan 31, 2011	0.233030
Feb 01, 2011	Feb 28, 2011	0.227885
Mar 01, 2011	Mar 31, 2011	0.220570
Apr 01, 2011	Apr 29, 2011	0.203119
May 02, 2011	May 31, 2011	0.185112
Jun 01, 2011	Jun 30, 2011	0.175806
Jul 01, 2011	Jul 29, 2011	0.161276

2A6 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.157863
Sep 01, 2011	Sep 30, 2011	0.146766
Oct 03, 2011	Oct 31, 2011	0.143072
Nov 01, 2011	Nov 30, 2011	0.132731
Dec 01, 2011	Dec 30, 2011	0.126122
Jan 03, 2012	Jan 31, 2012	0.121102
Feb 01, 2012	Feb 29, 2012	0.117764
Mar 01, 2012	Mar 30, 2012	0.111655
Apr 02, 2012	Apr 30, 2012	0.109537
May 01, 2012	May 31, 2012	0.104828
Jun 01, 2012	Jun 29, 2012	0.096779
Jul 02, 2012	Jul 31, 2012	0.094525
Aug 01, 2012	Aug 31, 2012	0.090785
Sep 04, 2012	Sep 28, 2012	0.088835
Oct 01, 2012	Oct 31, 2012	0.085943
Nov 01, 2012	Nov 30, 2012	0.085141
Dec 03, 2012	Dec 31, 2012	0.082471
Jan 02, 2013	Jan 31, 2013	0.073431
Feb 01, 2013	Feb 28, 2013	0.071591
Mar 01, 2013	Mar 29, 2013	0.069042
Apr 01, 2013	Apr 30, 2013	0.061942
May 01, 2013	May 31, 2013	0.061355
Jun 03, 2013	Jun 28, 2013	0.055399
Jul 01, 2013	Jul 31, 2013	0.054418
Aug 01, 2013	Aug 30, 2013	0.052589
Sep 03, 2013	Sep 30, 2013	0.049688
Oct 01, 2013	Oct 31, 2013	0.049276
Nov 01, 2013	Nov 29, 2013	0.047468
Dec 02, 2013	Dec 31, 2013	0.047061
Jan 02, 2014	Jan 31, 2014	0.045537
Feb 03, 2014	Feb 28, 2014	0.044510
Mar 03, 2014	Mar 31, 2014	0.044113
Apr 01, 2014	Apr 30, 2014	0.044113
May 01, 2014	May 30, 2014	0.043704
Jun 02, 2014	Jun 30, 2014	0.043704
Jul 01, 2014	Jul 31, 2014	0.043704
Aug 01, 2014	Aug 29, 2014	0.043427
Sep 02, 2014	Sep 30, 2014	0.043129
Oct 01, 2014	Oct 31, 2014	0.042779
Nov 03, 2014	Nov 28, 2014	0.042401
Dec 01, 2014	Dec 31, 2014	0.041951
Jan 02, 2015	Jan 30, 2015	0.041951
Feb 02, 2015	Feb 27, 2015	0.040949
Mar 02, 2015	Mar 31, 2015	0.040613
Apr 01, 2015	Apr 30, 2015	0.040278
May 01, 2015	May 29, 2015	0.039814
Jun 01, 2015		0.039219

2A7 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	1.000000
Jul 02, 2007	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
		1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000

2A7 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	1.000000
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	0.927726
Dec 01, 2011	Dec 30, 2011	0.881531
Jan 03, 2012	Jan 31, 2012	0.846442
Feb 01, 2012	Feb 29, 2012	0.823109
Mar 01, 2012	Mar 30, 2012	0.780410
Apr 02, 2012	Apr 30, 2012	0.765609
May 01, 2012	May 31, 2012	0.732698
Jun 01, 2012	Jun 29, 2012	0.676439
Jul 02, 2012	Jul 31, 2012	0.660685
Aug 01, 2012	Aug 31, 2012	0.634543
Sep 04, 2012	Sep 28, 2012	0.620914
Oct 01, 2012	Oct 31, 2012	0.600700
Nov 01, 2012	Nov 30, 2012	0.595089
Dec 03, 2012	Dec 31, 2012	0.576434
Jan 02, 2013	Jan 31, 2013	0.513248
Feb 01, 2013	Feb 28, 2013	0.500383
Mar 01, 2013	Mar 29, 2013	0.482571
Apr 01, 2013	Apr 30, 2013	0.432946
May 01, 2013	May 31, 2013	0.428843
Jun 03, 2013	Jun 28, 2013	0.387209
Jul 01, 2013	Jul 31, 2013	0.380357
Aug 01, 2013	Aug 30, 2013	0.367572
Sep 03, 2013	Sep 30, 2013	0.347295
Oct 01, 2013	Oct 31, 2013	0.344415
Nov 01, 2013	Nov 29, 2013	0.331774
Dec 02, 2013	Dec 31, 2013	0.328932
Jan 02, 2014	Jan 31, 2014	0.318283
Feb 03, 2014	Feb 28, 2014	0.311101
Mar 03, 2014	Mar 31, 2014	0.308328
Apr 01, 2014	Apr 30, 2014	0.308328
May 01, 2014	May 30, 2014	0.305470
Jun 02, 2014	Jun 30, 2014	0.305470
Jul 01, 2014	Jul 31, 2014	0.305470
Aug 01, 2014	Aug 29, 2014	0.303534
Sep 02, 2014	Sep 30, 2014	0.301450
Oct 01, 2014	Oct 31, 2014	0.299004
Nov 03, 2014	Nov 28, 2014	0.296363
Dec 01, 2014	Dec 31, 2014	0.293219
Jan 02, 2015	Jan 30, 2015	0.293219
Feb 02, 2015	Feb 27, 2015	0.286213
Mar 02, 2015	Mar 31, 2015	0.283866
Apr 01, 2015	Apr 30, 2015	0.281521
May 01, 2015	May 29, 2015	0.278279
Jun 01, 2015		0.274123
	•	

3A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.996745
Jul 02, 2007	Jul 31, 2007	0.994094
Aug 01, 2007	Aug 31, 2007	0.991471
Sep 04, 2007	Sep 28, 2007	0.939601
Oct 01, 2007	Oct 31, 2007	0.937056
Nov 01, 2007	Nov 30, 2007	0.934529
Dec 03, 2007	Dec 31, 2007	0.931960
Jan 02, 2008	Jan 31, 2008	0.907240
Feb 01, 2008	Feb 29, 2008	0.904682
Mar 03, 2008	Mar 31, 2008	0.902111
Apr 01, 2008	Apr 30, 2008	0.892480
May 01, 2008	May 30, 2008	
Jun 02, 2008	Jun 30, 2008	0.819791
Jul 01, 2008	Jul 31, 2008	0.817051
Aug 01, 2008	Aug 29, 2008	0.814315
Sep 02, 2008	Sep 30, 2008	0.811513
Oct 01, 2008	Oct 31, 2008	0.761490
Nov 03, 2008	Nov 28, 2008	0.759003
Dec 01, 2008	Dec 31, 2008	0.756749
Jan 02, 2009	•	0.754486
	Jan 30, 2009	0.752196
Feb 02, 2009	Feb 27, 2009	0.749874
Mar 02, 2009	Mar 31, 2009	0.706690
Apr 01, 2009	Apr 30, 2009	0.683912
May 01, 2009	May 29, 2009	0.681782
Jun 01, 2009	Jun 30, 2009	0.679644
Jul 01, 2009	Jul 31, 2009	0.677430
Aug 03, 2009	Aug 31, 2009	0.674653
Sep 01, 2009	Sep 30, 2009	0.672281
Oct 01, 2009	Oct 30, 2009	0.670592
Nov 02, 2009	Nov 30, 2009	0.668405
Dec 01, 2009	Dec 31, 2009	0.666199
Jan 04, 2010	Jan 29, 2010	0.663935
Feb 01, 2010	Feb 26, 2010	0.661559
Mar 01, 2010	Mar 31, 2010	0.659057
Apr 01, 2010	Apr 30, 2010	0.656812
May 03, 2010	May 28, 2010	0.654598
Jun 01, 2010	Jun 30, 2010	0.652373
Jul 01, 2010	Jul 30, 2010	0.633455
Aug 02, 2010	Aug 31, 2010	0.631217
Sep 01, 2010	Sep 30, 2010	0.563800
Oct 01, 2010	Oct 29, 2010	0.544889
Nov 01, 2010	Nov 30, 2010	0.539167
Dec 01, 2010	Dec 31, 2010	0.521062
Jan 03, 2011	Jan 31, 2011	0.519160
Feb 01, 2011	Feb 28, 2011	0.413810
Mar 01, 2011	Mar 31, 2011	0.412242
Apr 01, 2011	Apr 29, 2011	0.410656
May 02, 2011	May 31, 2011	0.409029
Jun 01, 2011	Jun 30, 2011	0.407439
Jul 01, 2011	Jul 29, 2011	0.405840

3A1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.404246
Sep 01, 2011	Sep 30, 2011	0.361173
Oct 03, 2011	Oct 31, 2011	0.359726
Nov 01, 2011	Nov 30, 2011	0.358273
Dec 01, 2011	Dec 30, 2011	0.356661
Jan 03, 2012	Jan 31, 2012	0.355062
Feb 01, 2012	Feb 29, 2012	0.353238
Mar 01, 2012	Mar 30, 2012	0.351618
Apr 02, 2012	Apr 30, 2012	0.350127
May 01, 2012	May 31, 2012	0.336796
Jun 01, 2012	Jun 29, 2012	0.335406
Jul 02, 2012	Jul 31, 2012	0.334007
Aug 01, 2012	Aug 31, 2012	0.332403
Sep 04, 2012	Sep 28, 2012	0.309871
Oct 01, 2012	Oct 31, 2012	0.288480
Nov 01, 2012	Nov 30, 2012	0.268294
Dec 03, 2012	Dec 31, 2012	0.267196
Jan 02, 2013	Jan 31, 2013	0.265901
Feb 01, 2013	Feb 28, 2013	0.264810
Mar 01, 2013	Mar 29, 2013	0.263703
Apr 01, 2013	Apr 30, 2013	0.262602
May 01, 2013	May 31, 2013	0.237573
Jun 03, 2013	Jun 28, 2013	0.236588
Jul 01, 2013	Jul 31, 2013	0.235642
Aug 01, 2013	Aug 30, 2013	0.234692
Sep 03, 2013	Sep 30, 2013	0.233595
Oct 01, 2013	Oct 31, 2013	0.232634
Nov 01, 2013	Nov 29, 2013	0.231658
Dec 02, 2013	Dec 31, 2013	0.231658
Jan 02, 2014	Jan 31, 2014	0.231561
Feb 03, 2014	Feb 28, 2014	0.230513
Mar 03, 2014	Mar 31, 2014	0.229461
Apr 01, 2014	Apr 30, 2014	0.228497
May 01, 2014	May 30, 2014	0.227428
Jun 02, 2014	Jun 30, 2014	0.226922
Jul 01, 2014	Jul 31, 2014	0.225916
Aug 01, 2014	Aug 29, 2014	0.224924
Sep 02, 2014	Sep 30, 2014	0.223762
Oct 01, 2014	Oct 31, 2014	0.222737
Nov 03, 2014	Nov 28, 2014	0.221713
Dec 01, 2014	Dec 31, 2014	0.220708
Jan 02, 2015	Jan 30, 2015	0.219488
Feb 02, 2015	Feb 27, 2015	0.218481
Mar 02, 2015	Mar 31, 2015	0.217441
Apr 01, 2015	Apr 30, 2015	0.216394
May 01, 2015	May 29, 2015	0.215344
Jun 01, 2015		0.214289

3A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.996757
Jul 02, 2007	Jul 31, 2007	0.994176
Aug 01, 2007	Aug 31, 2007	0.991162
Sep 04, 2007	Sep 28, 2007	0.954085
Oct 01, 2007	Oct 31, 2007	0.951439
Nov 01, 2007	Nov 30, 2007	
Dec 03, 2007	Dec 31, 2007	0.948784
Jan 02, 2008	Jan 31, 2008	0.946101
Feb 01, 2008	Feb 29, 2008	0.913186
Mar 03, 2008	Mar 31, 2008	0.895842
Apr 01, 2008	Apr 30, 2008	0.878156
		0.865385
May 01, 2008	May 30, 2008	0.857550
Jun 02, 2008	Jun 30, 2008	0.854331
Jul 01, 2008	Jul 31, 2008	0.849338
Aug 01, 2008	Aug 29, 2008	0.846308
Sep 02, 2008	Sep 30, 2008	0.841332
Oct 01, 2008	Oct 31, 2008	0.833780
Nov 03, 2008	Nov 28, 2008	0.790617
Dec 01, 2008	Dec 31, 2008	0.780873
Jan 02, 2009	Jan 30, 2009	0.778497
Feb 02, 2009	Feb 27, 2009	0.753353
Mar 02, 2009	Mar 31, 2009	0.750903
Apr 01, 2009	Apr 30, 2009	0.741428
May 01, 2009	May 29, 2009	0.725997
Jun 01, 2009	Jun 30, 2009	0.715517
Jul 01, 2009	Jul 31, 2009	
Aug 03, 2009	Aug 31, 2009	0.712874
Sep 01, 2009	Sep 30, 2009	0.694701 0.692172
Oct 01, 2009	Oct 30, 2009	0.689746
Nov 02, 2009	Nov 30, 2009	
Dec 01, 2009	Dec 31, 2009	0.687065
Jan 04, 2010	Jan 29, 2010	
Feb 01, 2010	Feb 26, 2010	0.681849
Mar 01, 2010	Mar 31, 2010	0.679359
Apr 01, 2010	Apr 30, 2010	0.637456
May 03, 2010	May 28, 2010	0.633283
Jun 01, 2010	Jun 30, 2010	0.619871
Jul 01, 2010	Jul 30, 2010	0.617330
Aug 02, 2010	Aug 31, 2010	0.600273
Sep 01, 2010	Sep 30, 2010	0.569222
Oct 01, 2010	Oct 29, 2010	0.566649
Nov 01, 2010	Nov 30, 2010	0.547133
Dec 01, 2010	Dec 31, 2010	0.540174
Jan 03, 2011	Jan 31, 2011	0.521177
Feb 01, 2011	Feb 28, 2011	0.518810
Mar 01, 2011	Mar 31, 2011	0.501171
Apr 01, 2011	Apr 29, 2011	0.498712
May 02, 2011	May 31, 2011	0.496480
Jun 01, 2011	Jun 30, 2011	0.470733
Jul 01, 2011	Jul 29, 2011	0.467558
Jul 01, 2011	Jul 29, 2011	0.465289

3A2 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.462966
Sep 01, 2011	Sep 30, 2011	0.418539
Oct 03, 2011	Oct 31, 2011	0.416506
Nov 01, 2011	Nov 30, 2011	0.409832
Dec 01, 2011	Dec 30, 2011	0.409832
Jan 03, 2012	Jan 31, 2012	0.409418
Feb 01, 2012	Feb 29, 2012	0.407784
Mar 01, 2012	Mar 30, 2012	0.402568
Apr 02, 2012	Apr 30, 2012	0.400881
May 01, 2012	May 31, 2012	0.379665
Jun 01, 2012	Jun 29, 2012	0.379352
Jul 02, 2012	Jul 31, 2012	0.377861
Aug 01, 2012	Aug 31, 2012	0.376369
Sep 04, 2012	Sep 28, 2012	0.374951
Oct 01, 2012	Oct 31, 2012	0.353041
Nov 01, 2012	Nov 30, 2012	0.331686
Dec 03, 2012	Dec 31, 2012	0.330551
Jan 02, 2013	Jan 31, 2013	0.329403
Feb 01, 2013	Feb 28, 2013	0.318085
Mar 01, 2013	Mar 29, 2013	0.316949
Apr 01, 2013	Apr 30, 2013	0.277262
May 01, 2013	May 31, 2013	0.276627
Jun 03, 2013	Jun 28, 2013	0.275567
Jul 01, 2013	Jul 31, 2013	0.274589
Aug 01, 2013	Aug 30, 2013	0.273561
Sep 03, 2013	Sep 30, 2013	0.271171
Oct 01, 2013	Oct 31, 2013	0.270199
Nov 01, 2013	Nov 29, 2013	0.269222
Dec 02, 2013	Dec 31, 2013	0.269222
Jan 02, 2014	Jan 31, 2014	0.253540
Feb 03, 2014	Feb 28, 2014	0.252627
Mar 03, 2014	Mar 31, 2014	0.251674
Apr 01, 2014	Apr 30, 2014	0.249372
May 01, 2014	May 30, 2014	0.248433
Jun 02, 2014	Jun 30, 2014	0.245833
Jul 01, 2014	Jul 31, 2014	0.244896
Aug 01, 2014	Aug 29, 2014	0.244079
Sep 02, 2014	Sep 30, 2014	0.243109
Oct 01, 2014	Oct 31, 2014	0.242160
Nov 03, 2014	Nov 28, 2014	0.241216
Dec 01, 2014	Dec 31, 2014	0.240305
Jan 02, 2015	Jan 30, 2015	0.239352
Feb 02, 2015	Feb 27, 2015	0.238445
Mar 02, 2015	Mar 31, 2015	0.237427
Apr 01, 2015	Apr 30, 2015	0.236442
May 01, 2015	May 29, 2015	0.235483
Jun 01, 2015		0.234463
·		

3A3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.996997
Jul 02, 2007	Jul 31, 2007	0.994546
Aug 01, 2007	Aug 31, 2007	0.991788
Sep 04, 2007	Sep 28, 2007	0.963356
Oct 01, 2007	Oct 31, 2007	0.960908
Nov 01, 2007	Nov 30, 2007	0.958318
Dec 03, 2007	Dec 31, 2007	0.955816
Jan 02, 2008	Jan 31, 2008	0.952342
Feb 01, 2008	Feb 29, 2008	0.916687
Mar 03, 2008	Mar 31, 2008	
Apr 01, 2008	Apr 30, 2008	0.880500
May 01, 2008	May 30, 2008	0.877812
Jun 02, 2008	Jun 30, 2008	0.875652
Jul 01, 2008	Jul 31, 2008	0.872719
Aug 01, 2008	Aug 29, 2008	0.868439
Sep 02, 2008	Sep 30, 2008	0.865680
	•	0.863510
Oct 01, 2008 Nov 03, 2008	Oct 31, 2008 Nov 28, 2008	0.857334
		0.854917
Dec 01, 2008	Dec 31, 2008	0.846975
Jan 02, 2009	Jan 30, 2009	0.844608
Feb 02, 2009	Feb 27, 2009	0.825057
Mar 02, 2009	Mar 31, 2009	0.822544
Apr 01, 2009	Apr 30, 2009	0.819888
May 01, 2009	May 29, 2009	0.788604
Jun 01, 2009	Jun 30, 2009	0.768402
Jul 01, 2009	Jul 31, 2009	0.766047
Aug 03, 2009	Aug 31, 2009	0.731184
Sep 01, 2009	Sep 30, 2009	0.728876
Oct 01, 2009	Oct 30, 2009	0.726523
Nov 02, 2009	Nov 30, 2009	0.723980
Dec 01, 2009	Dec 31, 2009	0.721339
Jan 04, 2010	Jan 29, 2010	0.719017
Feb 01, 2010	Feb 26, 2010	0.716628
Mar 01, 2010	Mar 31, 2010	0.625135
Apr 01, 2010	Apr 30, 2010	0.618861
May 03, 2010	May 28, 2010	0.608422
Jun 01, 2010	Jun 30, 2010	0.606383
Jul 01, 2010	Jul 30, 2010	0.575166
Aug 02, 2010	Aug 31, 2010	0.572898
Sep 01, 2010	Sep 30, 2010	0.570597
Oct 01, 2010	Oct 29, 2010	0.568560
Nov 01, 2010	Nov 30, 2010	0.565800
Dec 01, 2010	Dec 31, 2010	0.563746
Jan 03, 2011	Jan 31, 2011	0.561729
Feb 01, 2011	Feb 28, 2011	0.559696
Mar 01, 2011	Mar 31, 2011	0.557471
Apr 01, 2011	Apr 29, 2011	0.555397
May 02, 2011	May 31, 2011	0.535719
Jun 01, 2011	Jun 30, 2011	0.533730
Jul 01, 2011	Jul 29, 2011	0.531742

3A3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.529704
Sep 01, 2011	Sep 30, 2011	0.483948
Oct 03, 2011	Oct 31, 2011	0.481897
Nov 01, 2011	Nov 30, 2011	0.480411
Dec 01, 2011	Dec 30, 2011	0.478523
Jan 03, 2012	Jan 31, 2012	0.476614
Feb 01, 2012	Feb 29, 2012	0.474838
Mar 01, 2012	Mar 30, 2012	0.465100
Apr 02, 2012	Apr 30, 2012	0.463713
May 01, 2012	May 31, 2012	0.462046
Jun 01, 2012	Jun 29, 2012	0.462046
Jul 02, 2012	Jul 31, 2012	0.462046
Aug 01, 2012	Aug 31, 2012	0.455408
Sep 04, 2012	Sep 28, 2012	0.454147
Oct 01, 2012	Oct 31, 2012	0.452763
Nov 01, 2012	Nov 30, 2012	0.450835
Dec 03, 2012	Dec 31, 2012	0.449257
Jan 02, 2013	Jan 31, 2013	0.447729
Feb 01, 2013	Feb 28, 2013	0.395277
Mar 01, 2013	Mar 29, 2013	0.393825
Apr 01, 2013	Apr 30, 2013	0.363360
May 01, 2013	May 31, 2013	0.362576
Jun 03, 2013	Jun 28, 2013	0.361089
Jul 01, 2013	Jul 31, 2013	0.359782
Aug 01, 2013	Aug 30, 2013	0.358618
Sep 03, 2013	Sep 30, 2013	0.347911
Oct 01, 2013	Oct 31, 2013	0.346737
Nov 01, 2013	Nov 29, 2013	0.345608
Dec 02, 2013	Dec 31, 2013	0.345608
Jan 02, 2014	Jan 31, 2014	0.305266
Feb 03, 2014	Feb 28, 2014	0.304126
Mar 03, 2014	Mar 31, 2014	0.302885
Apr 01, 2014	Apr 30, 2014	0.298542
May 01, 2014	May 30, 2014	0.297360
Jun 02, 2014	Jun 30, 2014	0.292864
Jul 01, 2014	Jul 31, 2014	0.291670
Aug 01, 2014	Aug 29, 2014	0.290871
Sep 02, 2014	Sep 30, 2014	0.289660
Oct 01, 2014	Oct 31, 2014	0.288449
Nov 03, 2014	Nov 28, 2014	0.287360
Dec 01, 2014	Dec 31, 2014	0.286316
Jan 02, 2015	Jan 30, 2015	0.285215
Feb 02, 2015	Feb 27, 2015	0.284166
Mar 02, 2015	Mar 31, 2015	0.282789
Apr 01, 2015	Apr 30, 2015	0.281627
May 01, 2015	May 29, 2015	0.280505
Jun 01, 2015		0.279413

AP Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.991818
Jul 02, 2007	Jul 31, 2007	0.986935
Aug 01, 2007	Aug 31, 2007	0.981340
Sep 04, 2007	Sep 28, 2007	0.962947
Oct 01, 2007	Oct 31, 2007	0.958043
Nov 01, 2007	Nov 30, 2007	0.952922
Dec 03, 2007	Dec 31, 2007	0.947814
Jan 02, 2008	Jan 31, 2008	0.942740
Feb 01, 2008	Feb 29, 2008	
Mar 03, 2008	Mar 31, 2008	0.937648
Apr 01, 2008	Apr 30, 2008	0.932670
May 01, 2008	May 30, 2008	0.927099
Jun 02, 2008	Jun 30, 2008	0.921557
Jul 01, 2008	Jul 31, 2008	0.916367
Aug 01, 2008	Aug 29, 2008	0.911031
Sep 02, 2008	Sep 30, 2008	0.905698
Oct 01, 2008	Oct 31, 2008	0.866227
		0.860773
Nov 03, 2008	Nov 28, 2008	0.855500
Dec 01, 2008	Dec 31, 2008	0.850158
Jan 02, 2009	Jan 30, 2009	0.844875
Feb 02, 2009	Feb 27, 2009	0.839553
Mar 02, 2009	Mar 31, 2009	0.758127
Apr 01, 2009	Apr 30, 2009	0.750614
May 01, 2009	May 29, 2009	0.745943
Jun 01, 2009	Jun 30, 2009	0.741091
Jul 01, 2009	Jul 31, 2009	0.736356
Aug 03, 2009	Aug 31, 2009	0.731423
Sep 01, 2009	Sep 30, 2009	0.701364
Oct 01, 2009	Oct 30, 2009	0.696988
Nov 02, 2009	Nov 30, 2009	0.692483
Dec 01, 2009	Dec 31, 2009	0.559998
Jan 04, 2010	Jan 29, 2010	0.556353
Feb 01, 2010	Feb 26, 2010	0.552795
Mar 01, 2010	Mar 31, 2010	0.548738
Apr 01, 2010	Apr 30, 2010	0.543772
May 03, 2010	May 28, 2010	0.539971
Jun 01, 2010	Jun 30, 2010	0.534800
Jul 01, 2010	Jul 30, 2010	0.531139
Aug 02, 2010	Aug 31, 2010	0.525408
Sep 01, 2010	Sep 30, 2010	0.503584
Oct 01, 2010	Oct 29, 2010	0.500060
Nov 01, 2010	Nov 30, 2010	0.496510
Dec 01, 2010	Dec 31, 2010	0.492919
Jan 03, 2011	Jan 31, 2011	0.489332
Feb 01, 2011	Feb 28, 2011	0.468428
Mar 01, 2011	Mar 31, 2011	0.464520
Apr 01, 2011	Apr 29, 2011	0.460549
May 02, 2011	May 31, 2011	0.456628
Jun 01, 2011	Jun 30, 2011	0.452728
Jul 01, 2011	Jul 29, 2011	0.434959

AP Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.431182
Sep 01, 2011	Sep 30, 2011	0.425988
Oct 03, 2011	Oct 31, 2011	0.422606
Nov 01, 2011	Nov 30, 2011	0.419205
Dec 01, 2011	Dec 30, 2011	0.415761
Jan 03, 2012	Jan 31, 2012	0.412348
Feb 01, 2012	Feb 29, 2012	0.408547
Mar 01, 2012	Mar 30, 2012	0.291397
Apr 02, 2012	Apr 30, 2012	0.264895
May 01, 2012	May 31, 2012	0.261473
Jun 01, 2012	Jun 29, 2012	0.258572
Jul 02, 2012	Jul 31, 2012	0.255499
Aug 01, 2012	Aug 31, 2012	0.252369
Sep 04, 2012	Sep 28, 2012	0.187939
Oct 01, 2012	Oct 31, 2012	0.179447
Nov 01, 2012	Nov 30, 2012	0.177107
Dec 03, 2012	Dec 31, 2012	0.174473
Jan 02, 2013	Jan 31, 2013	0.110703
Feb 01, 2013	Feb 28, 2013	0.108449
Mar 01, 2013	Mar 29, 2013	0.106005
Apr 01, 2013	Apr 30, 2013	0.103555
May 01, 2013	May 31, 2013	0.101329
Jun 03, 2013	Jun 28, 2013	0.099965
Jul 01, 2013	Jul 31, 2013	0.098596
Aug 01, 2013	Aug 30, 2013	0.097222
Sep 03, 2013	Sep 30, 2013	0.095843
Oct 01, 2013	Oct 31, 2013	0.094478
Nov 01, 2013	Nov 29, 2013	0.093072
Dec 02, 2013	Dec 31, 2013	0.091709
Jan 02, 2014	Jan 31, 2014	0.090311
Feb 03, 2014	Feb 28, 2014	0.089277
Mar 03, 2014	Mar 31, 2014	0.087886
Apr 01, 2014	Apr 30, 2014	0.086476
May 01, 2014	May 30, 2014	0.085056
Jun 02, 2014	Jun 30, 2014	0.085028
Jul 01, 2014	Jul 31, 2014	0.049573
Aug 01, 2014	Aug 29, 2014	0.047915
Sep 02, 2014	Sep 30, 2014	0.047218
Oct 01, 2014	Oct 31, 2014	0.046570
Nov 03, 2014	Nov 28, 2014	0.045863
Dec 01, 2014	Dec 31, 2014	0.045153
Jan 02, 2015	Jan 30, 2015	0.045153
Feb 02, 2015	Feb 27, 2015	0.044437
Mar 02, 2015	Mar 31, 2015	0.043719
Apr 01, 2015	Apr 30, 2015	0.042998
May 01, 2015	May 29, 2015	0.042275
Jun 01, 2015		0.041699

AX Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	0.000000
Jun 01, 2007	Jun 29, 2007	0.000000
Jul 02, 2007	Jul 31, 2007	0.00000
Aug 01, 2007	Aug 31, 2007	0.00000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
		0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000

AX Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.000000
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

B1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.998875
Jul 02, 2007	Jul 31, 2007	0.997740
Aug 01, 2007	Aug 31, 2007	0.996596
Sep 04, 2007	Sep 28, 2007	0.995441
Oct 01, 2007	Oct 31, 2007	0.994277
Nov 01, 2007	Nov 30, 2007	0.993104
Dec 03, 2007	Dec 31, 2007	0.991925
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.990736 0.989536
Mar 03, 2008	Mar 31, 2008	
Apr 01, 2008	Apr 30, 2008	0.988325
May 01, 2008	May 30, 2008	0.987105
Jun 02, 2008	Jun 30, 2008	0.985878
Jul 01, 2008	Jul 31, 2008	0.984639
Aug 01, 2008	Aug 29, 2008	0.983307
Sep 02, 2008	Sep 30, 2008	0.982046
Oct 01, 2008	Oct 31, 2008	0.980764
Nov 03, 2008		0.979478
	Nov 28, 2008	0.978181
Dec 01, 2008	Dec 31, 2008	0.976865
Jan 02, 2009	Jan 30, 2009	0.975539
Feb 02, 2009	Feb 27, 2009	0.974208
Mar 02, 2009	Mar 31, 2009	0.972864
Apr 01, 2009	Apr 30, 2009	0.971511
May 01, 2009	May 29, 2009	0.970133
Jun 01, 2009	Jun 30, 2009	0.968751
Jul 01, 2009	Jul 31, 2009	0.967354
Aug 03, 2009	Aug 31, 2009	0.965905
Sep 01, 2009	Sep 30, 2009	0.964439
Oct 01, 2009	Oct 30, 2009	0.962944
Nov 02, 2009	Nov 30, 2009	0.961423
Dec 01, 2009	Dec 31, 2009	0.959846
Jan 04, 2010	Jan 29, 2010	0.958242
Feb 01, 2010	Feb 26, 2010	0.956603
Mar 01, 2010	Mar 31, 2010	0.954939
Apr 01, 2010	Apr 30, 2010	0.953246
May 03, 2010	May 28, 2010	0.951539
Jun 01, 2010	Jun 30, 2010	0.949801
Jul 01, 2010	Jul 30, 2010	0.948054
Aug 02, 2010	Aug 31, 2010	0.946225
Sep 01, 2010	Sep 30, 2010	0.944281
Oct 01, 2010	Oct 29, 2010	0.942720
Nov 01, 2010	Nov 30, 2010	0.941475
Dec 01, 2010	Dec 31, 2010	0.940242
Jan 03, 2011	Jan 31, 2011	0.939715
Feb 01, 2011	Feb 28, 2011	0.939496
Mar 01, 2011	Mar 31, 2011	0.939496
Apr 01, 2011	Apr 29, 2011	0.939496
May 02, 2011	May 31, 2011	0.939295
Jun 01, 2011	Jun 30, 2011	0.939295
Jul 01, 2011	Jul 29, 2011	0.939295

B1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.939295
Sep 01, 2011	Sep 30, 2011	0.939295
Oct 03, 2011	Oct 31, 2011	0.939295
Nov 01, 2011	Nov 30, 2011	0.939295
Dec 01, 2011	Dec 30, 2011	0.939295
Jan 03, 2012	Jan 31, 2012	0.939295
Feb 01, 2012	Feb 29, 2012	0.939295
Mar 01, 2012	Mar 30, 2012	0.939295
Apr 02, 2012	Apr 30, 2012	0.939295
May 01, 2012	May 31, 2012	0.939295
Jun 01, 2012	Jun 29, 2012	0.939295
Jul 02, 2012	Jul 31, 2012	0.939295
Aug 01, 2012	Aug 31, 2012	0.939295
Sep 04, 2012	Sep 28, 2012	0.939295
Oct 01, 2012	Oct 31, 2012	0.939295
Nov 01, 2012	Nov 30, 2012	0.939295
Dec 03, 2012	Dec 31, 2012	0.939295
Jan 02, 2013	Jan 31, 2013	0.939295
Feb 01, 2013	Feb 28, 2013	0.939295
Mar 01, 2013	Mar 29, 2013	0.939295
Apr 01, 2013	Apr 30, 2013	0.939295
May 01, 2013	May 31, 2013	0.939295
Jun 03, 2013	Jun 28, 2013	0.939295
Jul 01, 2013	Jul 31, 2013	0.939295
Aug 01, 2013	Aug 30, 2013	0.939295
Sep 03, 2013	Sep 30, 2013	0.939295
Oct 01, 2013	Oct 31, 2013	0.939295
Nov 01, 2013	Nov 29, 2013	0.939295
Dec 02, 2013	Dec 31, 2013	0.939295
Jan 02, 2014	Jan 31, 2014	0.939295
Feb 03, 2014	Feb 28, 2014	0.939295
Mar 03, 2014	Mar 31, 2014	0.939295
Apr 01, 2014	Apr 30, 2014	0.939295
May 01, 2014	May 30, 2014	0.939295
Jun 02, 2014	Jun 30, 2014	0.939295
Jul 01, 2014	Jul 31, 2014	0.939295
Aug 01, 2014	Aug 29, 2014	0.939295
Sep 02, 2014	Sep 30, 2014	0.939295
Oct 01, 2014	Oct 31, 2014	0.939295
Nov 03, 2014	Nov 28, 2014	0.939295
Dec 01, 2014	Dec 31, 2014	0.939295
Jan 02, 2015	Jan 30, 2015	0.939295
Feb 02, 2015	Feb 27, 2015	0.939295
Mar 02, 2015	Mar 31, 2015	0.939295
Apr 01, 2015	Apr 30, 2015	0.939295
May 01, 2015	May 29, 2015	0.939295
Jun 01, 2015		0.939295

B2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.998875
Jul 02, 2007	Jul 31, 2007	0.997740
Aug 01, 2007	Aug 31, 2007	0.996596
Sep 04, 2007	Sep 28, 2007	0.995441
Oct 01, 2007	Oct 31, 2007	
Nov 01, 2007	Nov 30, 2007	0.994277
Dec 03, 2007	Dec 31, 2007	0.993104
Jan 02, 2008	Jan 31, 2008	0.991925
Feb 01, 2008	Feb 29, 2008	0.990736
Mar 03, 2008	Mar 31, 2008	0.989536
		0.988325
Apr 01, 2008	Apr 30, 2008	0.987105
May 01, 2008	May 30, 2008	0.985878
Jun 02, 2008	Jun 30, 2008	0.984639
Jul 01, 2008	Jul 31, 2008	0.983307
Aug 01, 2008	Aug 29, 2008	0.982046
Sep 02, 2008	Sep 30, 2008	0.980764
Oct 01, 2008	Oct 31, 2008	0.979478
Nov 03, 2008	Nov 28, 2008	0.978181
Dec 01, 2008	Dec 31, 2008	0.976865
Jan 02, 2009	Jan 30, 2009	0.975539
Feb 02, 2009	Feb 27, 2009	0.974208
Mar 02, 2009	Mar 31, 2009	0.972864
Apr 01, 2009	Apr 30, 2009	0.971511
May 01, 2009	May 29, 2009	
Jun 01, 2009	Jun 30, 2009	0.970133
Jul 01, 2009	Jul 31, 2009	0.968751
Aug 03, 2009	Aug 31, 2009	0.967354
Sep 01, 2009	Sep 30, 2009	0.965905
Oct 01, 2009	Oct 30, 2009	0.964439
Nov 02, 2009	Nov 30, 2009	0.962944
Dec 01, 2009	Dec 31, 2009	0.961423
Jan 04, 2010	Jan 29, 2010	0.959846
Feb 01, 2010	Feb 26, 2010	0.958242
Mar 01, 2010	Mar 31, 2010	0.956603
Apr 01, 2010	Apr 30, 2010	0.956121
May 03, 2010	May 28, 2010	0.955689
Jun 01, 2010	Jun 30, 2010	0.955689
Jul 01, 2010	Jul 30, 2010	0.955641
		0.955641
Aug 02, 2010	Aug 31, 2010	0.955641
Sep 01, 2010	Sep 30, 2010	0.955641
Oct 01, 2010	Oct 29, 2010	0.955641
Nov 01, 2010	Nov 30, 2010	0.955641
Dec 01, 2010	Dec 31, 2010	0.955641
Jan 03, 2011	Jan 31, 2011	0.955641
Feb 01, 2011	Feb 28, 2011	0.955641
Mar 01, 2011	Mar 31, 2011	0.955641
Apr 01, 2011	Apr 29, 2011	0.955641
May 02, 2011	May 31, 2011	0.955641
Jun 01, 2011	Jun 30, 2011	0.955641
Jul 01, 2011	Jul 29, 2011	0.955641

B2 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.955641
Sep 01, 2011	Sep 30, 2011	0.955641
Oct 03, 2011	Oct 31, 2011	0.955641
Nov 01, 2011	Nov 30, 2011	0.955641
Dec 01, 2011	Dec 30, 2011	0.955641
Jan 03, 2012	Jan 31, 2012	0.955641
Feb 01, 2012	Feb 29, 2012	0.955641
Mar 01, 2012	Mar 30, 2012	0.955641
Apr 02, 2012	Apr 30, 2012	0.955641
May 01, 2012	May 31, 2012	0.955641
Jun 01, 2012	Jun 29, 2012	0.955641
Jul 02, 2012	Jul 31, 2012	0.955641
Aug 01, 2012	Aug 31, 2012	0.955641
Sep 04, 2012	Sep 28, 2012	0.955641
Oct 01, 2012	Oct 31, 2012	0.955641
Nov 01, 2012	Nov 30, 2012	0.955641
Dec 03, 2012	Dec 31, 2012	0.955641
Jan 02, 2013	Jan 31, 2013	0.955641
Feb 01, 2013	Feb 28, 2013	0.955641
Mar 01, 2013	Mar 29, 2013	0.955641
Apr 01, 2013	Apr 30, 2013	0.955641
May 01, 2013	May 31, 2013	0.955641
Jun 03, 2013	Jun 28, 2013	0.955641
Jul 01, 2013	Jul 31, 2013	0.955641
Aug 01, 2013	Aug 30, 2013	0.955641
Sep 03, 2013	Sep 30, 2013	0.955641
Oct 01, 2013	Oct 31, 2013	0.955641
Nov 01, 2013	Nov 29, 2013	0.955641
Dec 02, 2013	Dec 31, 2013	0.955641
Jan 02, 2014	Jan 31, 2014	0.955641
Feb 03, 2014	Feb 28, 2014	0.955641
Mar 03, 2014	Mar 31, 2014	0.955641
Apr 01, 2014	Apr 30, 2014	0.955641
May 01, 2014	May 30, 2014	0.955641
Jun 02, 2014	Jun 30, 2014	0.955641
Jul 01, 2014	Jul 31, 2014	0.955641
Aug 01, 2014	Aug 29, 2014	0.955641
Sep 02, 2014	Sep 30, 2014	0.955641
Oct 01, 2014	Oct 31, 2014	0.955641
Nov 03, 2014	Nov 28, 2014	0.955641
Dec 01, 2014	Dec 31, 2014	0.955641
Jan 02, 2015	Jan 30, 2015	0.955641
Feb 02, 2015	Feb 27, 2015	0.955641
Mar 02, 2015	Mar 31, 2015	0.955641
Apr 01, 2015	Apr 30, 2015	0.955641
May 01, 2015	May 29, 2015	0.955641
Jun 01, 2015		0.955641
		3.333041

B3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	May 31, 2007	1.000000
Jun 01, 2007	Jun 29, 2007	0.998875
Jul 02, 2007	Jul 31, 2007	0.997740
Aug 01, 2007	Aug 31, 2007	0.996596
Sep 04, 2007	Sep 28, 2007	0.995441
Oct 01, 2007	Oct 31, 2007	0.994277
Nov 01, 2007	Nov 30, 2007	0.993104
Dec 03, 2007	Dec 31, 2007	0.991925
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.990736
Mar 03, 2008	Mar 31, 2008	0.989536
Apr 01, 2008	Apr 30, 2008	0.988325
May 01, 2008	May 30, 2008	0.987105
Jun 02, 2008	Jun 30, 2008	0.985878
Jul 01, 2008	Jul 31, 2008	0.984639
		0.983307
Aug 01, 2008	Aug 29, 2008	0.982046
Sep 02, 2008	Sep 30, 2008	0.980764
Oct 01, 2008	Oct 31, 2008	0.979478
Nov 03, 2008	Nov 28, 2008	0.978181
Dec 01, 2008	Dec 31, 2008	0.976865
Jan 02, 2009	Jan 30, 2009	0.975539
Feb 02, 2009	Feb 27, 2009	0.974208
Mar 02, 2009	Mar 31, 2009	0.972864
Apr 01, 2009	Apr 30, 2009	0.971511
May 01, 2009	May 29, 2009	0.970133
Jun 01, 2009	Jun 30, 2009	0.968751
Jul 01, 2009	Jul 31, 2009	0.967354
Aug 03, 2009	Aug 31, 2009	0.965905
Sep 01, 2009	Sep 30, 2009	0.964439
Oct 01, 2009	Oct 30, 2009	0.962944
Nov 02, 2009	Nov 30, 2009	0.961861
Dec 01, 2009	Dec 31, 2009	0.961861
Jan 04, 2010	Jan 29, 2010	0.961861
Feb 01, 2010	Feb 26, 2010	0.961861
Mar 01, 2010	Mar 31, 2010	0.961861
Apr 01, 2010	Apr 30, 2010	0.961861
May 03, 2010	May 28, 2010	0.961861
Jun 01, 2010	Jun 30, 2010	0.961861
Jul 01, 2010	Jul 30, 2010	0.961861
Aug 02, 2010	Aug 31, 2010	0.961861
Sep 01, 2010	Sep 30, 2010	0.961861
Oct 01, 2010	Oct 29, 2010	0.961861
Nov 01, 2010	Nov 30, 2010	0.961861
Dec 01, 2010	Dec 31, 2010	0.961861
Jan 03, 2011	Jan 31, 2011	0.961861
Feb 01, 2011	Feb 28, 2011	0.961861
Mar 01, 2011	Mar 31, 2011	0.961861
Apr 01, 2011	Apr 29, 2011	0.961861
May 02, 2011	May 31, 2011	0.961861
Jun 01, 2011	Jun 30, 2011	0.961861
Jul 01, 2011	Jul 29, 2011	0.961861

B3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Aug 01, 2011	Aug 31, 2011	0.961861
Sep 01, 2011	Sep 30, 2011	0.961861
Oct 03, 2011	Oct 31, 2011	0.961861
Nov 01, 2011	Nov 30, 2011	0.961861
Dec 01, 2011	Dec 30, 2011	0.961861
Jan 03, 2012	Jan 31, 2012	0.961861
Feb 01, 2012	Feb 29, 2012	0.961861
Mar 01, 2012	Mar 30, 2012	0.961861
Apr 02, 2012	Apr 30, 2012	0.961861
May 01, 2012	May 31, 2012	0.961861
Jun 01, 2012	Jun 29, 2012	0.961861
Jul 02, 2012	Jul 31, 2012	0.961861
Aug 01, 2012	Aug 31, 2012	0.961861
Sep 04, 2012	Sep 28, 2012	0.961861
Oct 01, 2012	Oct 31, 2012	0.961861
Nov 01, 2012	Nov 30, 2012	0.961861
Dec 03, 2012	Dec 31, 2012	0.961861
Jan 02, 2013	Jan 31, 2013	0.961861
Feb 01, 2013	Feb 28, 2013	0.961861
Mar 01, 2013	Mar 29, 2013	0.961861
Apr 01, 2013	Apr 30, 2013	0.961861
May 01, 2013	May 31, 2013	0.961861
Jun 03, 2013	Jun 28, 2013	0.961861
Jul 01, 2013	Jul 31, 2013	0.961861
Aug 01, 2013	Aug 30, 2013	0.961861
Sep 03, 2013	Sep 30, 2013	0.961861
Oct 01, 2013	Oct 31, 2013	0.961861
Nov 01, 2013	Nov 29, 2013	0.961861
Dec 02, 2013	Dec 31, 2013	0.961861
Jan 02, 2014	Jan 31, 2014	0.961861
Feb 03, 2014	Feb 28, 2014	0.961861
Mar 03, 2014	Mar 31, 2014	0.961861
Apr 01, 2014	Apr 30, 2014	0.961861
May 01, 2014	May 30, 2014	0.961861
Jun 02, 2014	Jun 30, 2014	0.961861
Jul 01, 2014	Jul 31, 2014	
Aug 01, 2014	Aug 29, 2014	0.961861 0.961861
Sep 02, 2014	Sep 30, 2014	0.961861
Oct 01, 2014	Oct 31, 2014	
Nov 03, 2014	Nov 28, 2014	0.961861
Dec 01, 2014	Dec 31, 2014	0.961861 0.961861
Jan 02, 2015	Jan 30, 2015	0.961861
Feb 02, 2015	Feb 27, 2015	0.961861
Mar 02, 2015	Mar 31, 2015	0.961861
Apr 01, 2015	Apr 30, 2015	0.961861
May 01, 2015	May 29, 2015	0.961861
Jun 01, 2015	, -,	
- ,		0.961861

1A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.998463
Sep 04, 2007	Sep 28, 2007	0.993249
Oct 01, 2007	Oct 31, 2007	0.992428
Nov 01, 2007	Nov 30, 2007	0.989959
Dec 03, 2007	Dec 31, 2007	0.989129
Jan 02, 2008	Jan 31, 2008	0.988019
Feb 01, 2008	Feb 29, 2008	0.986938
Mar 03, 2008	Mar 31, 2008	0.983609
Apr 01, 2008	Apr 30, 2008	0.982587
May 01, 2008	May 30, 2008	0.978985
Jun 02, 2008	Jun 30, 2008	0.977647
Jul 01, 2008	Jul 31, 2008	
Aug 01, 2008	Aug 29, 2008	0.975347
Sep 02, 2008	Sep 30, 2008	0.973932
Oct 01, 2008	Oct 31, 2008	0.972320
Nov 03, 2008	Nov 28, 2008	0.971128
Dec 01, 2008	Dec 31, 2008	0.965283
Jan 02, 2009	Jan 30, 2009	0.964253
Feb 02, 2009	Feb 27, 2009	0.958325
		0.957017
Mar 02, 2009	Mar 31, 2009 Apr 30, 2009	0.947459
Apr 01, 2009		0.935153
May 01, 2009	May 29, 2009	0.920194
Jun 01, 2009	Jun 30, 2009	0.904124
Jul 01, 2009	Jul 31, 2009	0.898599
Aug 03, 2009	Aug 31, 2009	0.885964
Sep 01, 2009	Sep 30, 2009	0.881211
Oct 01, 2009	Oct 30, 2009	0.877476
Nov 02, 2009	Nov 30, 2009	0.860762
Dec 01, 2009	Dec 31, 2009	0.856349
Jan 04, 2010	Jan 29, 2010	0.847725
Feb 01, 2010	Feb 26, 2010	0.844809
Mar 01, 2010	Mar 31, 2010	0.837202
Apr 01, 2010	Apr 30, 2010	0.829545
May 03, 2010	May 28, 2010	0.814638
Jun 01, 2010	Jun 30, 2010	0.810657
Jul 01, 2010	Jul 30, 2010	0.804107
Aug 02, 2010	Aug 31, 2010	0.793006
Sep 01, 2010	Sep 30, 2010	0.784178
Oct 01, 2010	Oct 29, 2010	0.768435
Nov 01, 2010	Nov 30, 2010	0.749088
Dec 01, 2010	Dec 31, 2010	0.732099
Jan 03, 2011	Jan 31, 2011	0.722939
Feb 01, 2011	Feb 28, 2011	0.707981
Mar 01, 2011	Mar 31, 2011	0.702158
Apr 01, 2011 May 02, 2011	Apr 29, 2011	0.691905
	May 31, 2011	0.678487
Jun 01, 2011	Jun 30, 2011	0.674971
Jul 01, 2011	Jul 29, 2011	0.673236
Aug 01, 2011	Aug 31, 2011	0.661199

1A1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.653007
Oct 03, 2011	Oct 31, 2011	0.634851
Nov 01, 2011	Nov 30, 2011	0.617914
Dec 01, 2011	Dec 30, 2011	0.596217
Jan 03, 2012	Jan 31, 2012	0.587391
Feb 01, 2012	Feb 29, 2012	0.582306
Mar 01, 2012	Mar 30, 2012	0.581967
Apr 02, 2012	Apr 30, 2012	0.576920
May 01, 2012	May 31, 2012	0.576059
Jun 01, 2012	Jun 29, 2012	0.574182
Jul 02, 2012	Jul 31, 2012	0.570054
Aug 01, 2012	Aug 31, 2012	0.560950
Sep 04, 2012	Sep 28, 2012	0.558934
Oct 01, 2012	Oct 31, 2012	0.544813
Nov 01, 2012	Nov 30, 2012	0.539314
Dec 03, 2012	Dec 31, 2012	0.532203
Jan 02, 2013	Jan 31, 2013	0.529384
Feb 01, 2013	Feb 28, 2013	0.512038
Mar 01, 2013	Mar 29, 2013	0.505621
Apr 01, 2013	Apr 30, 2013	0.489923
May 01, 2013	May 31, 2013	0.483136
Jun 03, 2013	Jun 28, 2013	0.479582
Jul 01, 2013	Jul 31, 2013	0.470461
Aug 01, 2013	Aug 30, 2013	0.448468
Sep 03, 2013	Sep 30, 2013	0.426818
Oct 01, 2013	Oct 31, 2013	0.416201
Nov 01, 2013	Nov 29, 2013	0.412593
Dec 02, 2013	Dec 31, 2013	0.405923
Jan 02, 2014	Jan 31, 2014	0.401981
Feb 03, 2014	Feb 28, 2014	0.393930
Mar 03, 2014	Mar 31, 2014	0.383754
Apr 01, 2014	Apr 30, 2014	0.380345
May 01, 2014	May 30, 2014	0.377793
Jun 02, 2014	Jun 30, 2014	0.376488
Jul 01, 2014	Jul 31, 2014	0.366501
Aug 01, 2014	Aug 29, 2014	0.358955
Sep 02, 2014	Sep 30, 2014	0.350529
Oct 01, 2014	Oct 31, 2014	0.342800
Nov 03, 2014	Nov 28, 2014	0.338147
Dec 01, 2014	Dec 31, 2014	0.322219
Jan 02, 2015	Jan 30, 2015	0.321768
Feb 02, 2015	Feb 27, 2015	0.318659
Mar 02, 2015	Mar 31, 2015	0.318282
Apr 01, 2015	Apr 30, 2015	0.315916
May 01, 2015	May 29, 2015	0.311220
Jun 01, 2015		0.308483

1A2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.998463
Sep 04, 2007	Sep 28, 2007	0.993249
Oct 01, 2007	Oct 31, 2007	0.992428
Nov 01, 2007	Nov 30, 2007	0.989959
Dec 03, 2007	Dec 31, 2007	0.989129
Jan 02, 2008	Jan 31, 2008	0.988019
Feb 01, 2008	Feb 29, 2008	0.986938
Mar 03, 2008	Mar 31, 2008	0.983609
Apr 01, 2008	Apr 30, 2008	0.982587
May 01, 2008	May 30, 2008	0.978985
Jun 02, 2008	Jun 30, 2008	0.977647
Jul 01, 2008	Jul 31, 2008	
Aug 01, 2008	Aug 29, 2008	0.975347
Sep 02, 2008	Sep 30, 2008	0.973932
Oct 01, 2008	Oct 31, 2008	0.972320
Nov 03, 2008	Nov 28, 2008	0.971128
Dec 01, 2008	Dec 31, 2008	0.965283
Jan 02, 2009	Jan 30, 2009	0.964253
Feb 02, 2009	Feb 27, 2009	0.958325
		0.957017
Mar 02, 2009	Mar 31, 2009 Apr 30, 2009	0.947459
Apr 01, 2009		0.935153
May 01, 2009	May 29, 2009	0.920194
Jun 01, 2009	Jun 30, 2009	0.904124
Jul 01, 2009	Jul 31, 2009	0.898599
Aug 03, 2009	Aug 31, 2009	0.885964
Sep 01, 2009	Sep 30, 2009	0.881211
Oct 01, 2009	Oct 30, 2009	0.877476
Nov 02, 2009	Nov 30, 2009	0.860762
Dec 01, 2009	Dec 31, 2009	0.856349
Jan 04, 2010	Jan 29, 2010	0.847725
Feb 01, 2010	Feb 26, 2010	0.844809
Mar 01, 2010	Mar 31, 2010	0.837202
Apr 01, 2010	Apr 30, 2010	0.829545
May 03, 2010	May 28, 2010	0.814638
Jun 01, 2010	Jun 30, 2010	0.810657
Jul 01, 2010	Jul 30, 2010	0.804107
Aug 02, 2010	Aug 31, 2010	0.793006
Sep 01, 2010	Sep 30, 2010	0.784178
Oct 01, 2010	Oct 29, 2010	0.768435
Nov 01, 2010	Nov 30, 2010	0.749088
Dec 01, 2010	Dec 31, 2010	0.732099
Jan 03, 2011	Jan 31, 2011	0.722939
Feb 01, 2011	Feb 28, 2011	0.707981
Mar 01, 2011	Mar 31, 2011	0.702158
Apr 01, 2011 May 02, 2011	Apr 29, 2011	0.691905
	May 31, 2011	0.678487
Jun 01, 2011	Jun 30, 2011	0.674971
Jul 01, 2011	Jul 29, 2011	0.673236
Aug 01, 2011	Aug 31, 2011	0.661199

1A2 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.653007
Oct 03, 2011	Oct 31, 2011	0.634851
Nov 01, 2011	Nov 30, 2011	0.617914
Dec 01, 2011	Dec 30, 2011	0.596217
Jan 03, 2012	Jan 31, 2012	0.587391
Feb 01, 2012	Feb 29, 2012	0.582306
Mar 01, 2012	Mar 30, 2012	0.581987
Apr 02, 2012	Apr 30, 2012	0.577249
May 01, 2012	May 31, 2012	0.576561
Jun 01, 2012	Jun 29, 2012	0.575060
Jul 02, 2012	Jul 31, 2012	0.571930
Aug 01, 2012	Aug 31, 2012	0.565023
Sep 04, 2012	Sep 28, 2012	0.563569
Oct 01, 2012	Oct 31, 2012	0.553987
Nov 01, 2012	Nov 30, 2012	0.550440
Dec 03, 2012	Dec 31, 2012	0.546079
Jan 02, 2013	Jan 31, 2013	0.544531
Feb 01, 2013	Feb 28, 2013	0.537177
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.535172
May 01, 2013	May 31, 2013	0.532148
Jun 03, 2013	Jun 28, 2013	0.531026
Jul 01, 2013	Jul 31, 2013	0.530542
Aug 01, 2013	Aug 30, 2013	0.530132
Sep 03, 2013	Sep 30, 2013	0.530132
Oct 01, 2013	Oct 31, 2013	0.530132 0.530132
Nov 01, 2013	Nov 29, 2013	0.530132
Dec 02, 2013	Dec 31, 2013	0.530132
Jan 02, 2014	Jan 31, 2014	0.530132
Feb 03, 2014	Feb 28, 2014	0.530132
Mar 03, 2014	Mar 31, 2014	0.530132
Apr 01, 2014	Apr 30, 2014	0.530132
May 01, 2014	May 30, 2014	0.530132
Jun 02, 2014	Jun 30, 2014	0.530132
Jul 01, 2014	Jul 31, 2014	0.530132
Aug 01, 2014	Aug 29, 2014	0.530132
Sep 02, 2014	Sep 30, 2014	0.530132
Oct 01, 2014	Oct 31, 2014	0.530132
Nov 03, 2014	Nov 28, 2014	0.530132
Dec 01, 2014	Dec 31, 2014	0.530132
Jan 02, 2015	Jan 30, 2015	0.530132
Feb 02, 2015	Feb 27, 2015	0.530132
Mar 02, 2015	Mar 31, 2015	0.530132
Apr 01, 2015	Apr 30, 2015	0.530132
May 01, 2015	May 29, 2015	0.530132
Jun 01, 2015		0.530132

1A3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.998463
Sep 04, 2007	Sep 28, 2007	0.993249
Oct 01, 2007	Oct 31, 2007	0.992428
Nov 01, 2007	Nov 30, 2007	0.989959
Dec 03, 2007	Dec 31, 2007	0.989129
Jan 02, 2008	Jan 31, 2008	0.988019
Feb 01, 2008	Feb 29, 2008	
Mar 03, 2008	Mar 31, 2008	0.986938
Apr 01, 2008	Apr 30, 2008	0.983609
May 01, 2008	May 30, 2008	0.982587
Jun 02, 2008	Jun 30, 2008	0.978985
Jul 01, 2008	Jul 31, 2008	0.977647
Aug 01, 2008	Aug 29, 2008	0.975347
Sep 02, 2008	Sep 30, 2008	0.973932
		0.972320
Oct 01, 2008	Oct 31, 2008	0.971128
Nov 03, 2008	Nov 28, 2008	0.965283
Dec 01, 2008	Dec 31, 2008	0.964253
Jan 02, 2009	Jan 30, 2009	0.958325
Feb 02, 2009	Feb 27, 2009	0.957017
Mar 02, 2009	Mar 31, 2009	0.947459
Apr 01, 2009	Apr 30, 2009	0.935153
May 01, 2009	May 29, 2009	0.920194
Jun 01, 2009	Jun 30, 2009	0.904124
Jul 01, 2009	Jul 31, 2009	0.898599
Aug 03, 2009	Aug 31, 2009	0.885964
Sep 01, 2009	Sep 30, 2009	0.881211
Oct 01, 2009	Oct 30, 2009	0.877476
Nov 02, 2009	Nov 30, 2009	0.860762
Dec 01, 2009	Dec 31, 2009	0.856349
Jan 04, 2010	Jan 29, 2010	0.847725
Feb 01, 2010	Feb 26, 2010	0.844809
Mar 01, 2010	Mar 31, 2010	0.837202
Apr 01, 2010	Apr 30, 2010	0.829545
May 03, 2010	May 28, 2010	0.814638
Jun 01, 2010	Jun 30, 2010	0.810657
Jul 01, 2010	Jul 30, 2010	0.804107
Aug 02, 2010	Aug 31, 2010	0.793006
Sep 01, 2010	Sep 30, 2010	0.784178
Oct 01, 2010	Oct 29, 2010	0.768435
Nov 01, 2010	Nov 30, 2010	0.749088
Dec 01, 2010	Dec 31, 2010	0.732099
Jan 03, 2011	Jan 31, 2011	0.722939
Feb 01, 2011	Feb 28, 2011	0.707981
Mar 01, 2011	Mar 31, 2011	0.702158
Apr 01, 2011	Apr 29, 2011	0.691905
May 02, 2011	May 31, 2011	0.678487
Jun 01, 2011	Jun 30, 2011	0.674971
Jul 01, 2011	Jul 29, 2011	0.673236
Aug 01, 2011	Aug 31, 2011	0.661199

1A3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.653007
Oct 03, 2011	Oct 31, 2011	0.634851
Nov 01, 2011	Nov 30, 2011	0.617914
Dec 01, 2011	Dec 30, 2011	0.596217
Jan 03, 2012	Jan 31, 2012	0.587391
Feb 01, 2012	Feb 29, 2012	0.582306
Mar 01, 2012	Mar 30, 2012	0.581968
Apr 02, 2012	Apr 30, 2012	0.576932
May 01, 2012	May 31, 2012	0.576078
Jun 01, 2012	Jun 29, 2012	0.574215
Jul 02, 2012	Jul 31, 2012	0.570124
Aug 01, 2012	Aug 31, 2012	0.561103
Sep 04, 2012	Sep 28, 2012	0.559108
Oct 01, 2012	Oct 31, 2012	0.545157
Nov 01, 2012	Nov 30, 2012	0.539732
Dec 03, 2012	Dec 31, 2012	0.532723
Jan 02, 2013	Jan 31, 2013	0.529952
Feb 01, 2013	Feb 28, 2013	0.512980
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.506730
May 01, 2013	May 31, 2013	0.491507
Jun 03, 2013	Jun 28, 2013	0.484932
Jul 01, 2013	Jul 31, 2013	0.481493
Aug 01, 2013	Aug 30, 2013	0.472698
Sep 03, 2013	Sep 30, 2013	0.451531
Oct 01, 2013	Oct 31, 2013	0.430692 0.420474
Nov 01, 2013	Nov 29, 2013	0.417000
Dec 02, 2013	Dec 31, 2013	0.410581
Jan 02, 2014	Jan 31, 2014	0.406787
Feb 03, 2014	Feb 28, 2014	0.399038
Mar 03, 2014	Mar 31, 2014	0.389244
Apr 01, 2014	Apr 30, 2014	0.385962
May 01, 2014	May 30, 2014	0.383506
Jun 02, 2014	Jun 30, 2014	0.382249
Jul 01, 2014	Jul 31, 2014	0.372638
Aug 01, 2014	Aug 29, 2014	0.365375
Sep 02, 2014	Sep 30, 2014	0.357265
Oct 01, 2014	Oct 31, 2014	0.349825
Nov 03, 2014	Nov 28, 2014	0.345346
Dec 01, 2014	Dec 31, 2014	0.330016
Jan 02, 2015	Jan 30, 2015	0.329582
Feb 02, 2015	Feb 27, 2015	0.326589
Mar 02, 2015	Mar 31, 2015	0.326227
Apr 01, 2015	Apr 30, 2015	0.323950
May 01, 2015	May 29, 2015	0.319429
Jun 01, 2015		0.316795

1A4 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997468
Sep 04, 2007	Sep 28, 2007	0.994539
Oct 01, 2007	Oct 31, 2007	0.991212
Nov 01, 2007	Nov 30, 2007	0.987489
Dec 03, 2007	Dec 31, 2007	0.983371
Jan 02, 2008	Jan 31, 2008	0.978859
Feb 01, 2008	Feb 29, 2008	0.973955
Mar 03, 2008	Mar 31, 2008	0.968660
Apr 01, 2008	Apr 30, 2008	0.962977
May 01, 2008	May 30, 2008	0.956907
Jun 02, 2008	Jun 30, 2008	0.950452
Jul 01, 2008	Jul 31, 2008	0.943616
Aug 01, 2008	Aug 29, 2008	0.936401
Sep 02, 2008	Sep 30, 2008	0.928810
Oct 01, 2008	Oct 31, 2008	0.924653
Nov 03, 2008	Nov 28, 2008	0.912513
Dec 01, 2008	Dec 31, 2008	0.904726
Jan 02, 2009	Jan 30, 2009	0.894751
Feb 02, 2009	Feb 27, 2009	0.885330
Mar 02, 2009	Mar 31, 2009	0.875555
Apr 01, 2009	Apr 30, 2009	0.865430
May 01, 2009	May 29, 2009	0.854959
Jun 01, 2009	Jun 30, 2009	0.844148
Jul 01, 2009	Jul 31, 2009	0.833005
Aug 03, 2009	Aug 31, 2009	0.821538
Sep 01, 2009	Sep 30, 2009	0.809767
Oct 01, 2009	Oct 30, 2009	0.797712
Nov 02, 2009	Nov 30, 2009	0.785429
Dec 01, 2009	Dec 31, 2009	0.773004
Jan 04, 2010	Jan 29, 2010	0.760593
Feb 01, 2010	Feb 26, 2010	0.748247
Mar 01, 2010	Mar 31, 2010	0.735965
Apr 01, 2010	Apr 30, 2010	0.723746
May 03, 2010	May 28, 2010	0.711591
Jun 01, 2010	Jun 30, 2010	0.699499
Jul 01, 2010	Jul 30, 2010	0.687469
Aug 02, 2010	Aug 31, 2010	0.675502
Sep 01, 2010	Sep 30, 2010	0.663597
Oct 01, 2010	Oct 29, 2010	0.651754
Nov 01, 2010	Nov 30, 2010	0.639972
Dec 01, 2010	Dec 31, 2010	0.628251
Jan 03, 2011	Jan 31, 2011	0.616592
Feb 01, 2011	Feb 28, 2011	0.604992
Mar 01, 2011	Mar 31, 2011	0.593453
Apr 01, 2011	Apr 29, 2011	0.581974
May 02, 2011	May 31, 2011	0.570554
Jun 01, 2011	Jun 30, 2011	0.559194
Jul 01, 2011	Jul 29, 2011	0.547893
Aug 01, 2011	Aug 31, 2011	0.536650

1A4 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.525466
Oct 03, 2011	Oct 31, 2011	0.514340
Nov 01, 2011	Nov 30, 2011	0.503272
Dec 01, 2011	Dec 30, 2011	0.492261
Jan 03, 2012	Jan 31, 2012	0.482945
Feb 01, 2012	Feb 29, 2012	0.477186
Mar 01, 2012	Mar 30, 2012	0.474085
Apr 02, 2012	Apr 30, 2012	0.466685
May 01, 2012	May 31, 2012	0.457952
Jun 01, 2012	Jun 29, 2012	0.453233
Jul 02, 2012	Jul 31, 2012	0.446031
Aug 01, 2012	Aug 31, 2012	0.439332
Sep 04, 2012	Sep 28, 2012	0.432400
Oct 01, 2012	Oct 31, 2012	0.423131
Nov 01, 2012	Nov 30, 2012	0.418500
Dec 03, 2012	Dec 31, 2012	0.414490
Jan 02, 2013	Jan 31, 2013	0.408874
Feb 01, 2013	Feb 28, 2013	0.401094
Mar 01, 2013	Mar 29, 2013	0.396261
Apr 01, 2013	Apr 30, 2013	0.390417
May 01, 2013	May 31, 2013	0.381513
Jun 03, 2013	Jun 28, 2013	0.375776
Jul 01, 2013	Jul 31, 2013	0.367527
Aug 01, 2013	Aug 30, 2013	0.356983
Sep 03, 2013	Sep 30, 2013	0.348924
Oct 01, 2013	Oct 31, 2013	0.344109
Nov 01, 2013	Nov 29, 2013	0.339109
Dec 02, 2013	Dec 31, 2013	0.333682
Jan 02, 2014	Jan 31, 2014	0.329161
Feb 03, 2014	Feb 28, 2014	0.324969
Mar 03, 2014	Mar 31, 2014	0.321984
Apr 01, 2014	Apr 30, 2014	0.316770
May 01, 2014	May 30, 2014	0.311183
Jun 02, 2014	Jun 30, 2014	0.306476
Jul 01, 2014	Jul 31, 2014	0.301953
Aug 01, 2014	Aug 29, 2014	0.297896
Sep 02, 2014	Sep 30, 2014	0.292940
Oct 01, 2014	Oct 31, 2014	0.291118
Nov 03, 2014	Nov 28, 2014	0.286160
Dec 01, 2014	Dec 31, 2014	0.281921
Jan 02, 2015	Jan 30, 2015	0.277738
Feb 02, 2015	Feb 27, 2015	0.273843
Mar 02, 2015	Mar 31, 2015	0.272350
Apr 01, 2015	Apr 30, 2015	0.268463
May 01, 2015	May 29, 2015	0.264728
Jun 01, 2015		0.262338

1A5 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995494
Sep 25, 2007	Oct 24, 2007	0.989372
Oct 25, 2007	Nov 23, 2007	0.981909
Nov 26, 2007	Dec 24, 2007	0.981216
Dec 26, 2007	Jan 24, 2008	0.972711
Jan 25, 2008	Feb 22, 2008	0.961241
Feb 25, 2008	Mar 24, 2008	0.948700
Mar 25, 2008	Apr 24, 2008	
Apr 25, 2008	May 23, 2008	0.939377
May 27, 2008	Jun 24, 2008	0.923235
Jun 25, 2008	Jul 24, 2008	0.905994
Jul 25, 2008	Aug 22, 2008	0.891337
Aug 25, 2008	Sep 24, 2008	0.871297
Sep 25, 2008	Oct 24, 2008	0.865476
Oct 27, 2008	Nov 24, 2008	0.859299
Nov 25, 2008	Dec 24, 2008	0.859298
	<u> </u>	0.850006
Dec 26, 2008	Jan 23, 2009	0.850005
Jan 26, 2009	Feb 24, 2009	0.846013
Feb 25, 2009	Mar 24, 2009	0.829756
Mar 25, 2009	Apr 24, 2009	0.792789
Apr 27, 2009	May 22, 2009	0.769085
May 26, 2009	Jun 24, 2009	0.722257
Jun 25, 2009	Jul 24, 2009	0.681726
Jul 27, 2009	Aug 24, 2009	0.648332
Aug 25, 2009	Sep 24, 2009	0.608272
Sep 25, 2009	Oct 23, 2009	0.602355
Oct 26, 2009	Nov 24, 2009	0.585256
Nov 25, 2009	Dec 24, 2009	0.576886
Dec 28, 2009	Jan 22, 2010	0.561763
Jan 25, 2010	Feb 24, 2010	0.539537
Feb 25, 2010	Mar 24, 2010	0.505872
Mar 25, 2010	Apr 23, 2010	0.502969
Apr 26, 2010	May 24, 2010	0.487233
May 25, 2010	Jun 24, 2010	0.477988
Jun 25, 2010	Jul 23, 2010	0.472434
Jul 26, 2010	Aug 24, 2010	0.448736
Aug 25, 2010	Sep 24, 2010	0.414369
Sep 27, 2010	Oct 22, 2010	0.386688
Oct 25, 2010	Nov 24, 2010	0.348093
Nov 26, 2010	Dec 23, 2010	0.307778
Dec 27, 2010	Jan 24, 2011	0.268902
Jan 25, 2011	Feb 24, 2011	0.224924
Feb 25, 2011	Mar 24, 2011	0.200112
Mar 25, 2011	Apr 22, 2011	0.184869
Apr 25, 2011	May 24, 2011	0.158412
May 25, 2011	Jun 24, 2011	0.154215
Jun 27, 2011	Jul 22, 2011	0.141384
Jul 25, 2011	Aug 24, 2011	0.127852
Aug 25, 2011	Sep 23, 2011	0.116490

1A5 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.091794
Oct 25, 2011	Nov 23, 2011	0.078582
Nov 25, 2011	Dec 23, 2011	0.072674
Dec 27, 2011	Jan 24, 2012	0.065214
Jan 25, 2012	Feb 24, 2012	0.063980
Feb 27, 2012	Mar 23, 2012	0.063217
Mar 26, 2012	Apr 24, 2012	0.062807
Apr 25, 2012	May 24, 2012	0.061826
May 25, 2012	Jun 22, 2012	0.060669
Jun 25, 2012	Jul 24, 2012	0.060044
Jul 25, 2012	Aug 24, 2012	0.059090
Aug 27, 2012	Sep 24, 2012	0.058203
Sep 25, 2012	Oct 24, 2012	0.057284
Oct 25, 2012	Nov 23, 2012	0.056056
Nov 26, 2012	Dec 24, 2012	0.055443
Dec 26, 2012	Jan 24, 2013	0.054911
Jan 25, 2013	Feb 22, 2013	0.054167
Feb 25, 2013	Mar 22, 2013	0.053137
Mar 25, 2013 Apr 25, 2013	Apr 24, 2013 May 24, 2013	0.052497
May 28, 2013	Jun 24, 2013	0.051722
Jun 25, 2013	Jul 24, 2013	0.050543
Jul 25, 2013	Aug 23, 2013	0.049783
Aug 26, 2013	Sep 24, 2013	0.048690
Sep 25, 2013	Oct 24, 2013	0.047293
Oct 25, 2013	Nov 22, 2013	0.046225 0.045587
Nov 25, 2013	Dec 24, 2013	0.044925
Dec 26, 2013	Jan 24, 2014	0.044206
Jan 27, 2014	Feb 24, 2014	0.043607
Feb 25, 2014	Mar 24, 2014	0.043052
Mar 25, 2014	Apr 24, 2014	0.042656
Apr 25, 2014	May 23, 2014	0.041966
May 27, 2014	Jun 24, 2014	0.041225
Jun 25, 2014	Jul 24, 2014	0.040602
Jul 25, 2014	Aug 22, 2014	0.040003
Aug 25, 2014	Sep 24, 2014	0.039465
Sep 25, 2014	Oct 24, 2014	0.038809
Oct 27, 2014	Nov 24, 2014	0.038567
Nov 25, 2014	Dec 24, 2014	0.037910
Dec 26, 2014	Jan 23, 2015	0.037349
Jan 26, 2015	Feb 24, 2015	0.036795
Feb 25, 2015	Mar 24, 2015	0.036279
Mar 25, 2015	Apr 24, 2015	0.036081
Apr 27, 2015	May 22, 2015	0.035566
May 26, 2015	Jun 24, 2015	0.035071
Jun 25, 2015		0.034754

1A6 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
		1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010 Feb 01, 2010	Jan 29, 2010 Feb 26, 2010	1.000000
		1.000000
Mar 01, 2010 Apr 01, 2010	Mar 31, 2010 Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A6 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	1.000000
Feb 01, 2012	Feb 29, 2012	1.000000
Mar 01, 2012	Mar 30, 2012	1.000000
Apr 02, 2012	Apr 30, 2012	1.000000
May 01, 2012	May 31, 2012	1.000000
Jun 01, 2012	Jun 29, 2012	1.000000
Jul 02, 2012	Jul 31, 2012	1.000000
Aug 01, 2012	Aug 31, 2012	1.000000
Sep 04, 2012	Sep 28, 2012	1.000000
Oct 01, 2012	Oct 31, 2012	1.000000
Nov 01, 2012	Nov 30, 2012	1.000000
Dec 03, 2012	Dec 31, 2012	1.000000
Jan 02, 2013	Jan 31, 2013	1.000000
Feb 01, 2013	Feb 28, 2013	1.000000
Mar 01, 2013	Mar 29, 2013	1.000000
Apr 01, 2013	Apr 30, 2013	1.000000
May 01, 2013	May 31, 2013	1.000000
Jun 03, 2013	Jun 28, 2013	0.994270
Jul 01, 2013	Jul 31, 2013	0.972440
Aug 01, 2013	Aug 30, 2013	0.944540
Sep 03, 2013	Sep 30, 2013	0.923220
Oct 01, 2013	Oct 31, 2013	0.910480
Nov 01, 2013	Nov 29, 2013	0.897250
Dec 02, 2013	Dec 31, 2013	0.882890
Jan 02, 2014	Jan 31, 2014	0.870930
Feb 03, 2014	Feb 28, 2014	0.859840
Mar 03, 2014	Mar 31, 2014	0.851940
Apr 01, 2014	Apr 30, 2014	0.838140
May 01, 2014	May 30, 2014	0.823360
Jun 02, 2014	Jun 30, 2014	0.810910
Jul 01, 2014	Jul 31, 2014	0.798940
Aug 01, 2014	Aug 29, 2014	0.788200
Sep 02, 2014	Sep 30, 2014	0.775090
Oct 01, 2014	Oct 31, 2014	0.770270
Nov 03, 2014	Nov 28, 2014	0.757150
Dec 01, 2014	Dec 31, 2014	0.745930
Jan 02, 2015	Jan 30, 2015	0.734860
Feb 02, 2015	Feb 27, 2015	0.724550
Mar 02, 2015	Mar 31, 2015	0.720600
Apr 01, 2015	Apr 30, 2015	0.710320
May 01, 2015	May 29, 2015	0.700430
Jun 01, 2015		0.694110

1A7 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.996515
Sep 04, 2007	Sep 28, 2007	0.975277
Oct 01, 2007	Oct 31, 2007	0.975277
Nov 01, 2007	Nov 30, 2007	0.975277
Dec 03, 2007	Dec 31, 2007	0.975277
Jan 02, 2008	Jan 31, 2008	0.975277
Feb 01, 2008	Feb 29, 2008	0.975277
Mar 03, 2008	Mar 31, 2008	0.975277
Apr 01, 2008	Apr 30, 2008	0.975277
May 01, 2008	May 30, 2008	0.975277
Jun 02, 2008	Jun 30, 2008	0.975277
Jul 01, 2008	Jul 31, 2008	
Aug 01, 2008	Aug 29, 2008	0.975277
Sep 02, 2008	Sep 30, 2008	0.975277
Oct 01, 2008	Oct 31, 2008	0.975277
Nov 03, 2008	Nov 28, 2008	0.975277
Dec 01, 2008	Dec 31, 2008	0.975277
Jan 02, 2009	Jan 30, 2009	0.975277
		0.975277
Feb 02, 2009	Feb 27, 2009	0.975277
Mar 02, 2009	Mar 31, 2009	0.975277
Apr 01, 2009	Apr 30, 2009	0.975277
May 01, 2009	May 29, 2009	0.975277
Jun 01, 2009	Jun 30, 2009	0.975277
Jul 01, 2009	Jul 31, 2009	0.975277
Aug 03, 2009	Aug 31, 2009	0.975277
Sep 01, 2009	Sep 30, 2009	0.975277
Oct 01, 2009	Oct 30, 2009	0.975277
Nov 02, 2009	Nov 30, 2009	0.975277
Dec 01, 2009	Dec 31, 2009	0.975277
Jan 04, 2010	Jan 29, 2010	0.975277
Feb 01, 2010	Feb 26, 2010	0.975277
Mar 01, 2010	Mar 31, 2010	0.975277
Apr 01, 2010	Apr 30, 2010	0.975277
May 03, 2010	May 28, 2010	0.975277
Jun 01, 2010	Jun 30, 2010	0.975277
Jul 01, 2010	Jul 30, 2010	0.975277
Aug 02, 2010	Aug 31, 2010	0.975277
Sep 01, 2010	Sep 30, 2010	0.975277
Oct 01, 2010	Oct 29, 2010	0.975277
Nov 01, 2010	Nov 30, 2010	0.975277
Dec 01, 2010	Dec 31, 2010	0.975277
Jan 03, 2011	Jan 31, 2011	0.975277
Feb 01, 2011	Feb 28, 2011	0.975277
Mar 01, 2011	Mar 31, 2011	0.975277
Apr 01, 2011	Apr 29, 2011	0.975277
May 02, 2011	May 31, 2011	0.975277
Jun 01, 2011	Jun 30, 2011	0.975277
Jul 01, 2011	Jul 29, 2011	0.975277
Aug 01, 2011	Aug 31, 2011	0.975277

1A7 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.975277
Oct 03, 2011	Oct 31, 2011	0.975277
Nov 01, 2011	Nov 30, 2011	0.975277
Dec 01, 2011	Dec 30, 2011	0.975277
Jan 03, 2012	Jan 31, 2012	0.956820
Feb 01, 2012	Feb 29, 2012	0.945409
Mar 01, 2012	Mar 30, 2012	0.939267
Apr 02, 2012	Apr 30, 2012	0.924604
May 01, 2012	May 31, 2012	0.907304
Jun 01, 2012	Jun 29, 2012	0.897954
Jul 02, 2012	Jul 31, 2012	0.883686
Aug 01, 2012	Aug 31, 2012	0.870414
Sep 04, 2012	Sep 28, 2012	0.856680
Oct 01, 2012	Oct 31, 2012	0.838314
Nov 01, 2012	Nov 30, 2012	0.829140
Dec 03, 2012	Dec 31, 2012	0.821196
Jan 02, 2013	Jan 31, 2013	0.810069
Feb 01, 2013	Feb 28, 2013	0.794655
Mar 01, 2013	Mar 29, 2013	0.785081
Apr 01, 2013	Apr 30, 2013	0.773501
May 01, 2013	May 31, 2013	0.755862
Jun 03, 2013	Jun 28, 2013	0.744494
Jul 01, 2013	Jul 31, 2013	0.728151
Aug 01, 2013	Aug 30, 2013	0.707261
Sep 03, 2013	Sep 30, 2013	0.691294
Oct 01, 2013	Oct 31, 2013	0.681755
Nov 01, 2013	Nov 29, 2013	0.671849
Dec 02, 2013	Dec 31, 2013	0.661097
Jan 02, 2014	Jan 31, 2014	0.652140
Feb 03, 2014	Feb 28, 2014	0.643834
Mar 03, 2014	Mar 31, 2014	0.637921
Apr 01, 2014	Apr 30, 2014	0.627591
May 01, 2014	May 30, 2014	0.616521
Jun 02, 2014	Jun 30, 2014	0.607196
Jul 01, 2014	Jul 31, 2014	0.598235
Aug 01, 2014	Aug 29, 2014	0.590197
Sep 02, 2014	Sep 30, 2014	0.580378
Oct 01, 2014	Oct 31, 2014	0.576768
Nov 03, 2014	Nov 28, 2014	0.566946
Dec 01, 2014	Dec 31, 2014	0.558548
Jan 02, 2015	Jan 30, 2015	0.550259
Feb 02, 2015	Feb 27, 2015	0.542543
Mar 02, 2015	Mar 31, 2015	0.539584
Apr 01, 2015	Apr 30, 2015	0.531885
May 01, 2015	May 29, 2015	0.524484
Jun 01, 2015		0.519750

1A8 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	0.942944
Aug 01, 2008	Aug 29, 2008	0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011	Feb 28, 2011	0.641475
Mar 01, 2011	Mar 31, 2011	0.632922
Apr 01, 2011	Apr 29, 2011	0.621867
May 02, 2011	May 31, 2011	0.615857
Jun 01, 2011	Jun 30, 2011	0.607926
Jul 01, 2011	Jul 29, 2011	0.599864
Aug 01, 2011	Aug 31, 2011	0.592317

1A8 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540356
Apr 02, 2012	Apr 30, 2012	0.531920
May 01, 2012	May 31, 2012	0.521967
Jun 01, 2012	Jun 29, 2012	0.516589
Jul 02, 2012	Jul 31, 2012	0.508380
Aug 01, 2012	Aug 31, 2012	0.500745
Sep 04, 2012	Sep 28, 2012	0.492844
Oct 01, 2012	Oct 31, 2012	0.482278
Nov 01, 2012	Nov 30, 2012	0.477000
Dec 03, 2012	Dec 31, 2012	0.472430
Jan 02, 2013	Jan 31, 2013	0.466029
Feb 01, 2013	Feb 28, 2013	0.457263
Mar 01, 2013	Mar 29, 2013	0.451819
Apr 01, 2013	Apr 30, 2013	0.445240
May 01, 2013	May 31, 2013	0.435219
Jun 03, 2013	Jun 28, 2013	0.428761
Jul 01, 2013	Jul 31, 2013	0.419483
Aug 01, 2013	Aug 30, 2013	0.407622
Sep 03, 2013	Sep 30, 2013	0.398558
Oct 01, 2013	Oct 31, 2013	0.393142
Nov 01, 2013	Nov 29, 2013	0.387521
Dec 02, 2013	Dec 31, 2013	0.381421
Jan 02, 2014	Jan 31, 2014	0.376339
Feb 03, 2014	Feb 28, 2014	0.371628
Mar 03, 2014	Mar 31, 2014	0.368274
Apr 01, 2014	Apr 30, 2014	0.362414
May 01, 2014	May 30, 2014	0.356135
Jun 02, 2014	Jun 30, 2014	0.350845
Jul 01, 2014	Jul 31, 2014	0.345762
Aug 01, 2014	Aug 29, 2014	0.341202
Sep 02, 2014	Sep 30, 2014	0.335632
Oct 01, 2014	Oct 31, 2014	0.333584
Nov 03, 2014	Nov 28, 2014	0.328012
Dec 01, 2014	Dec 31, 2014	0.323248
Jan 02, 2015	Jan 30, 2015	0.318546
Feb 02, 2015	Feb 27, 2015	0.314169
Mar 02, 2015	Mar 31, 2015	0.312490
Apr 01, 2015	Apr 30, 2015	0.308122
May 01, 2015	May 29, 2015	0.303923
Jun 01, 2015		0.301238

1A9 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
		1.000000
Dec 01, 2008 Jan 02, 2009	Dec 31, 2008	1.000000
,	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A9 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.981075
Feb 01, 2012	Feb 29, 2012	0.969375
Mar 01, 2012	Mar 30, 2012	0.963077
Apr 02, 2012	Apr 30, 2012	0.948043
May 01, 2012	May 31, 2012	0.930304
Jun 01, 2012	Jun 29, 2012	0.920717
Jul 02, 2012	Jul 31, 2012	0.906087
Aug 01, 2012	Aug 31, 2012	0.892478
Sep 04, 2012	Sep 28, 2012	0.878396
Oct 01, 2012	Oct 31, 2012	0.859565
Nov 01, 2012	Nov 30, 2012	0.850159
Dec 03, 2012	Dec 31, 2012	0.842013
Jan 02, 2013	Jan 31, 2013	0.830604
Feb 01, 2013	Feb 28, 2013	0.814799
Mar 01, 2013	Mar 29, 2013	0.804982
Apr 01, 2013	Apr 30, 2013	0.793109
May 01, 2013	May 31, 2013	0.775022
Jun 03, 2013	Jun 28, 2013	0.763367
Jul 01, 2013	Jul 31, 2013	0.746610
Aug 01, 2013	Aug 30, 2013	0.725190
Sep 03, 2013	Sep 30, 2013	0.708819
Oct 01, 2013	Oct 31, 2013	0.699037
Nov 01, 2013	Nov 29, 2013	0.688880
Dec 02, 2013	Dec 31, 2013	0.677855
Jan 02, 2014	Jan 31, 2014	0.668671
Feb 03, 2014	Feb 28, 2014	0.660156
Mar 03, 2014	Mar 31, 2014	0.654092
Apr 01, 2014	Apr 30, 2014	0.643500
May 01, 2014	May 30, 2014	0.632150
Jun 02, 2014	Jun 30, 2014	0.622588
Jul 01, 2014	Jul 31, 2014	0.613400
Aug 01, 2014	Aug 29, 2014	0.605158
Sep 02, 2014	Sep 30, 2014	0.595090
Oct 01, 2014	Oct 31, 2014	0.591389
Nov 03, 2014	Nov 28, 2014	0.581318
Dec 01, 2014	Dec 31, 2014	0.572707
Jan 02, 2015	Jan 30, 2015	0.564208
Feb 02, 2015	Feb 27, 2015	0.556297
Mar 02, 2015	Mar 31, 2015	0.553262
Apr 01, 2015	Apr 30, 2015	0.545368
May 01, 2015	May 29, 2015	0.537779
Jun 01, 2015		0.532925

1A10 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.998190
Sep 04, 2007	Sep 28, 2007	0.991263
Oct 01, 2007	Oct 31, 2007	0.985774
Nov 01, 2007	Nov 30, 2007	0.980053
Dec 03, 2007	Dec 31, 2007	0.979440
Jan 02, 2008	Jan 31, 2008	0.971695
Feb 01, 2008	Feb 29, 2008	0.962080
Mar 03, 2008	Mar 31, 2008	0.956615
Apr 01, 2008	Apr 30, 2008	0.946785
May 01, 2008	May 30, 2008	0.941877
Jun 02, 2008	Jun 30, 2008	0.929517
Jul 01, 2008	Jul 31, 2008	0.916411
Aug 01, 2008	Aug 29, 2008	0.912986
Sep 02, 2008	Sep 30, 2008	0.911908
Oct 01, 2008	Oct 31, 2008	0.910568
Nov 03, 2008	Nov 28, 2008	0.907721
Dec 01, 2008	Dec 31, 2008	0.904433
Jan 02, 2009	Jan 30, 2009	0.899079
Feb 02, 2009	Feb 27, 2009	0.892875
Mar 02, 2009	Mar 31, 2009	0.888652
Apr 01, 2009	Apr 30, 2009	0.884483
May 01, 2009	May 29, 2009	0.879050
Jun 01, 2009	Jun 30, 2009	0.877724
Jul 01, 2009	Jul 31, 2009	0.864610
Aug 03, 2009	Aug 31, 2009	0.855954
Sep 01, 2009	Sep 30, 2009	0.849063
Oct 01, 2009	Oct 30, 2009	0.843711
Nov 02, 2009	Nov 30, 2009	0.838151
Dec 01, 2009	Dec 31, 2009	0.830823
Jan 04, 2010	Jan 29, 2010	0.828405
Feb 01, 2010	Feb 26, 2010	0.823032
Mar 01, 2010	Mar 31, 2010	0.818316
Apr 01, 2010	Apr 30, 2010	0.806551
May 03, 2010	May 28, 2010	0.805562
Jun 01, 2010	Jun 30, 2010	0.799828
Jul 01, 2010	Jul 30, 2010	0.797766
Aug 02, 2010	Aug 31, 2010	0.783336
Sep 01, 2010	Sep 30, 2010	0.778410
Oct 01, 2010	Oct 29, 2010	0.773468
Nov 01, 2010	Nov 30, 2010	0.765731
Dec 01, 2010	Dec 31, 2010	0.765274
Jan 03, 2011	Jan 31, 2011	0.748033
Feb 01, 2011	Feb 28, 2011	0.741187
Mar 01, 2011	Mar 31, 2011	0.734125
Apr 01, 2011	Apr 29, 2011	0.728654
May 02, 2011	May 31, 2011	0.726724
Jun 01, 2011	Jun 30, 2011	0.722297
Jul 01, 2011	Jul 29, 2011	0.714929
Aug 01, 2011	Aug 31, 2011	0.714414

1A10 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.707461
Oct 03, 2011	Oct 31, 2011	0.695916
Nov 01, 2011	Nov 30, 2011	0.693679
Dec 01, 2011	Dec 30, 2011	0.693402
Jan 03, 2012	Jan 31, 2012	0.691170
Feb 01, 2012	Feb 29, 2012	0.690755
Mar 01, 2012	Mar 30, 2012	0.679828
Apr 02, 2012	Apr 30, 2012	0.668871
May 01, 2012	May 31, 2012	0.664638
Jun 01, 2012	Jun 29, 2012	0.661602
Jul 02, 2012	Jul 31, 2012	0.657809
Aug 01, 2012	Aug 31, 2012	0.655064
Sep 04, 2012	Sep 28, 2012	0.649381
Oct 01, 2012	Oct 31, 2012	0.645919
Nov 01, 2012	Nov 30, 2012	0.637804
Dec 03, 2012	Dec 31, 2012	0.631792
Jan 02, 2013	Jan 31, 2013	0.625538
Feb 01, 2013	Feb 28, 2013	0.624553
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.621403
May 01, 2013	May 31, 2013	0.620241
Jun 03, 2013	Jun 28, 2013	0.617075
Jul 01, 2013	Jul 31, 2013	0.603624
Aug 01, 2013	Aug 30, 2013	0.597353
Sep 03, 2013	Sep 30, 2013	0.593774
Oct 01, 2013	Oct 31, 2013	0.592388
Nov 01, 2013	Nov 29, 2013	0.584880
Dec 02, 2013	Dec 31, 2013	0.583676
Jan 02, 2014	Jan 31, 2014	0.574050
Feb 03, 2014	Feb 28, 2014	0.569238
Mar 03, 2014	Mar 31, 2014	0.569032
Apr 01, 2014	Apr 30, 2014	0.568066
May 01, 2014	May 30, 2014	0.568066
Jun 02, 2014	Jun 30, 2014	0.564400
Jul 01, 2014	Jul 31, 2014	0.554891
Aug 01, 2014	Aug 29, 2014	0.546712
Sep 02, 2014	Sep 30, 2014	0.545570
Oct 01, 2014	Oct 31, 2014	0.543757
Nov 03, 2014	Nov 28, 2014	0.532647
Dec 01, 2014	Dec 31, 2014	0.529584
Jan 02, 2015	Jan 30, 2015	0.526068
Feb 02, 2015	Feb 27, 2015	0.526068
Mar 02, 2015	Mar 31, 2015	0.523273
Apr 01, 2015	Apr 30, 2015	0.516487
May 01, 2015	May 29, 2015	0.512567
Jun 01, 2015		0.509981

1A11 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997020
Sep 04, 2007	Sep 28, 2007	0.993572
Oct 01, 2007	Oct 31, 2007	0.989657
Nov 01, 2007	Nov 30, 2007	0.985275
Dec 03, 2007	Dec 31, 2007	0.980428
Jan 02, 2008	Jan 31, 2008	0.975118
Feb 01, 2008	Feb 29, 2008	0.969346
Mar 03, 2008	Mar 31, 2008	0.963115
Apr 01, 2008	Apr 30, 2008	0.956426
May 01, 2008	May 30, 2008	0.949282
Jun 02, 2008	Jun 30, 2008	0.941686
Jul 01, 2008	Jul 31, 2008	0.933641
Aug 01, 2008	Aug 29, 2008	0.925150
Sep 02, 2008	Sep 30, 2008	0.916217
Oct 01, 2008	Oct 31, 2008	0.911323
Nov 03, 2008	Nov 28, 2008	0.897038
Dec 01, 2008	Dec 31, 2008	0.887870
Jan 02, 2009	Jan 30, 2009	0.876135
Feb 02, 2009	Feb 27, 2009	0.865048
Mar 02, 2009	Mar 31, 2009	0.853544
Apr 01, 2009	Apr 30, 2009	0.841628
May 01, 2009	May 29, 2009	0.829306
Jun 01, 2009	Jun 30, 2009	0.816584
Jul 01, 2009	Jul 31, 2009	0.803470
Aug 03, 2009	Aug 31, 2009	0.789976
Sep 01, 2009	Sep 30, 2009	0.776123
Oct 01, 2009	Oct 30, 2009	0.761937
Nov 02, 2009	Nov 30, 2009	0.747482
Dec 01, 2009	Dec 31, 2009	0.732860
Jan 04, 2010	Jan 29, 2010	0.718255
Feb 01, 2010	Feb 26, 2010	0.703726
Mar 01, 2010	Mar 31, 2010	0.689272
Apr 01, 2010	Apr 30, 2010	0.674893
May 03, 2010	May 28, 2010	0.660588
Jun 01, 2010	Jun 30, 2010	0.646358
Jul 01, 2010	Jul 30, 2010	0.632202
Aug 02, 2010	Aug 31, 2010	0.618119
Sep 01, 2010	Sep 30, 2010	0.604109
Oct 01, 2010	Oct 29, 2010	0.590171
Nov 01, 2010	Nov 30, 2010	0.576306
Dec 01, 2010	Dec 31, 2010	0.562513
Jan 03, 2011	Jan 31, 2011	0.548792
Feb 01, 2011	Feb 28, 2011	0.535141
Mar 01, 2011	Mar 31, 2011	0.521562
Apr 01, 2011	Apr 29, 2011	0.508053
May 02, 2011	May 31, 2011	0.494614
Jun 01, 2011	Jun 30, 2011	0.481245
Jul 01, 2011	Jul 29, 2011	0.467945
Aug 01, 2011	Aug 31, 2011	0.454715

1A11 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.441553
Oct 03, 2011	Oct 31, 2011	0.428459
Nov 01, 2011	Nov 30, 2011	0.415434
Dec 01, 2011	Dec 30, 2011	0.402476
Jan 03, 2012	Jan 31, 2012	0.394859
Feb 01, 2012	Feb 29, 2012	0.390150
Mar 01, 2012	Mar 30, 2012	0.387604
Apr 02, 2012	Apr 30, 2012	0.381517
May 01, 2012	May 31, 2012	0.374322
Jun 01, 2012	Jun 29, 2012	0.370416
Jul 02, 2012	Jul 31, 2012	0.364436
Aug 01, 2012	Aug 31, 2012	0.358856
Sep 04, 2012	Sep 28, 2012	0.353061
Oct 01, 2012	Oct 31, 2012	0.345291
Nov 01, 2012	Nov 30, 2012	0.341393
Dec 03, 2012	Dec 31, 2012	0.338013
Jan 02, 2013	Jan 31, 2013	0.333251
Feb 01, 2013	Feb 28, 2013 Mar 29, 2013	0.326708
Mar 01, 2013 Apr 01, 2013	Apr 30, 2013	0.322645
May 01, 2013	May 31, 2013	0.317734
Jun 03, 2013	Jun 28, 2013	0.310254
Jul 01, 2013	Jul 31, 2013	0.305433
Aug 01, 2013	Aug 30, 2013	0.298507
Sep 03, 2013	Sep 30, 2013	0.289654
Oct 01, 2013	Oct 31, 2013	0.282887 0.278845
Nov 01, 2013	Nov 29, 2013	0.274649
Dec 02, 2013	Dec 31, 2013	0.270096
Jan 02, 2014	Jan 31, 2014	0.266302
Feb 03, 2014	Feb 28, 2014	0.262786
Mar 03, 2014	Mar 31, 2014	0.260282
Apr 01, 2014	Apr 30, 2014	0.255908
May 01, 2014	May 30, 2014	0.251221
Jun 02, 2014	Jun 30, 2014	0.247272
Jul 01, 2014	Jul 31, 2014	0.243478
Aug 01, 2014	Aug 29, 2014	0.240074
Sep 02, 2014	Sep 30, 2014	0.235916
Oct 01, 2014	Oct 31, 2014	0.234388
Nov 03, 2014	Nov 28, 2014	0.230229
Dec 01, 2014	Dec 31, 2014	0.226672
Jan 02, 2015	Jan 30, 2015	0.223162
Feb 02, 2015	Feb 27, 2015	0.219895
Mar 02, 2015	Mar 31, 2015	0.218642
Apr 01, 2015	Apr 30, 2015	0.215382
May 01, 2015	May 29, 2015	0.212247
Jun 01, 2015		0.210243

1A12 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995854
Sep 25, 2007	Oct 24, 2007	0.984391
Oct 25, 2007	Nov 23, 2007	0.979561
Nov 26, 2007	Dec 24, 2007	0.979112
Dec 26, 2007	Jan 24, 2008	0.973608
Jan 25, 2008	Feb 22, 2008	0.966185
Feb 25, 2008	Mar 24, 2008	0.958068
Mar 25, 2008	Apr 24, 2008	0.952034
Apr 25, 2008	May 23, 2008	0.941587
May 27, 2008	Jun 24, 2008	0.930428
Jun 25, 2008	Jul 24, 2008	0.920942
Jul 25, 2008	Aug 22, 2008	0.907972
Aug 25, 2008	Sep 24, 2008	0.904203
Sep 25, 2008	Oct 24, 2008	
Oct 27, 2008	Nov 24, 2008	0.900203
Nov 25, 2008	Dec 24, 2008	0.900203
Dec 26, 2008	Jan 23, 2009	0.894183
Jan 26, 2009	Feb 24, 2009	0.894183
Feb 25, 2009	Mar 24, 2009	0.891592
Mar 25, 2009	Apr 24, 2009	0.881068
Apr 27, 2009	May 22, 2009	0.857144
May 26, 2009	Jun 24, 2009	0.841801
Jun 25, 2009	Jul 24, 2009	0.811494
Jul 27, 2009	Aug 24, 2009	0.785263
Aug 25, 2009	Sep 24, 2009	0.763649
Sep 25, 2009	Oct 23, 2009	0.737722
Oct 26, 2009	Nov 24, 2009	0.733888
Nov 25, 2009	Dec 24, 2009	0.722818
Dec 28, 2009	Jan 22, 2010	0.717397
Jan 25, 2010	Feb 24, 2010	0.707605
Feb 25, 2010	Mar 24, 2010	0.693217
Mar 25, 2010	Apr 23, 2010	0.671428
Apr 26, 2010	May 24, 2010	0.669544
May 25, 2010	Jun 24, 2010	0.659356 0.653368
Jun 25, 2010	Jul 23, 2010	0.649769
Jul 26, 2010	Aug 24, 2010	0.634429
Aug 25, 2010	Sep 24, 2010	0.612185
Sep 27, 2010	Oct 22, 2010	0.594268
Oct 25, 2010	Nov 24, 2010	0.569289
Nov 26, 2010	Dec 23, 2010	0.543197
Dec 27, 2010	Jan 24, 2011	0.518036
Jan 25, 2011	Feb 24, 2011	0.489573
Feb 25, 2011	Mar 24, 2011	0.473512
Mar 25, 2011	Apr 22, 2011	0.463644
Apr 25, 2011	May 24, 2011	0.446519
May 25, 2011	Jun 24, 2011	0.443799
Jun 27, 2011	Jul 22, 2011	0.435491
Jul 25, 2011	Aug 24, 2011	0.426730
Aug 25, 2011	Sep 23, 2011	0.419373

1A12 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.403388
Oct 25, 2011	Nov 23, 2011	0.394834
Nov 25, 2011	Dec 23, 2011	0.391007
Dec 27, 2011	Jan 24, 2012	0.386175
Jan 25, 2012	Feb 24, 2012	0.378867
Feb 27, 2012	Mar 23, 2012	0.374348
Mar 26, 2012	Apr 24, 2012	0.371906
Apr 25, 2012	May 24, 2012	0.366065
May 25, 2012	Jun 22, 2012	0.359161
Jun 25, 2012	Jul 24, 2012	0.355413
Jul 25, 2012	Aug 24, 2012	0.349676
Aug 27, 2012	Sep 24, 2012	0.344321
Sep 25, 2012	Oct 24, 2012	0.338761
Oct 25, 2012	Nov 23, 2012	0.331306
Nov 26, 2012	Dec 24, 2012	0.327567
Dec 26, 2012	Jan 24, 2013	0.324323
Jan 25, 2013	Feb 22, 2013	0.319754
Feb 25, 2013	Mar 22, 2013	0.313476
Mar 25, 2013 Apr 25, 2013	Apr 24, 2013 May 24, 2013	0.309577
May 28, 2013	Jun 24, 2013	0.304865
Jun 25, 2013	Jul 24, 2013	0.297688
Jul 25, 2013	Aug 23, 2013	0.293063
Aug 26, 2013	Sep 24, 2013	0.286417
Sep 25, 2013	Oct 24, 2013	0.277922
Oct 25, 2013	Nov 22, 2013	0.271430 0.267551
Nov 25, 2013	Dec 24, 2013	0.263525
Dec 26, 2013	Jan 24, 2014	0.259156
Jan 27, 2014	Feb 24, 2014	0.255516
Feb 25, 2014	Mar 24, 2014	0.252142
Mar 25, 2014	Apr 24, 2014	0.249740
Apr 25, 2014	May 23, 2014	0.245543
May 27, 2014	Jun 24, 2014	0.241046
Jun 25, 2014	Jul 24, 2014	0.237257
Jul 25, 2014	Aug 22, 2014	0.233617
Aug 25, 2014	Sep 24, 2014	0.230351
Sep 25, 2014	Oct 24, 2014	0.226361
Oct 27, 2014	Nov 24, 2014	0.224895
Nov 25, 2014	Dec 24, 2014	0.220904
Dec 26, 2014	Jan 23, 2015	0.217492
Jan 26, 2015	Feb 24, 2015	0.214124
Feb 25, 2015	Mar 24, 2015	0.210989
Mar 25, 2015	Apr 24, 2015	0.209787
Apr 27, 2015	May 22, 2015	0.206658
May 26, 2015	Jun 24, 2015	0.203651
Jun 25, 2015		0.201728

1A13 Certificate Writedown Free Factor Chart

From To Writedown Free Fac Aug 24, 2007 1.000000 Aug 27, 2007 Sep 24, 2007 0.995854 Sep 25, 2007 Oct 24, 2007 0.984391 Oct 25, 2007 Nov 23, 2007 0.979561 Nov 26, 2007 Dec 24, 2007 0.979112 Dec 26, 2007 Jan 24, 2008 0.973608 Jan 25, 2008 Feb 22, 2008 0.966185 Feb 25, 2008 Mar 24, 2008 0.958068 Mar 25, 2008 Apr 24, 2008 0.952034 Apr 25, 2008 May 23, 2008 0.941587 May 27, 2008 Jun 24, 2008 0.930428 Jun 25, 2008 Jul 24, 2008 0.920942 Jul 25, 2008 Aug 22, 2008 0.907972 Aug 25, 2008 Oct 24, 2008 0.900203 Oct 27, 2008 Nov 24, 2008 0.900203 Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592 Feb 25, 2009 Mar 24, 2009 0.8810	
Aug 27, 2007 Sep 24, 2007 0.995854 Sep 25, 2007 Oct 24, 2007 0.984391 Oct 25, 2007 Nov 23, 2007 0.979561 Nov 26, 2007 Dec 24, 2007 0.979112 Dec 26, 2007 Jan 24, 2008 0.973608 Jan 25, 2008 Feb 22, 2008 0.966185 Feb 25, 2008 Mar 24, 2008 0.958068 Mar 25, 2008 Apr 24, 2008 0.952034 Apr 25, 2008 May 23, 2008 0.941587 May 27, 2008 Jun 24, 2008 0.930428 Jun 25, 2008 Jul 24, 2008 0.920942 Jul 25, 2008 Aug 22, 2008 0.907972 Aug 25, 2008 Sep 24, 2008 0.900203 Oct 27, 2008 Oct 24, 2008 0.900203 Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592	
Sep 25, 2007 Oct 24, 2007 0.984391 Oct 25, 2007 Nov 23, 2007 0.979561 Nov 26, 2007 Dec 24, 2007 0.979112 Dec 26, 2007 Jan 24, 2008 0.973608 Jan 25, 2008 Feb 22, 2008 0.966185 Feb 25, 2008 Mar 24, 2008 0.958068 Mar 25, 2008 Apr 24, 2008 0.952034 Apr 25, 2008 May 23, 2008 0.941587 May 27, 2008 Jul 24, 2008 0.930428 Jul 25, 2008 Jul 24, 2008 0.920942 Jul 25, 2008 Aug 22, 2008 0.907972 Aug 25, 2008 Sep 24, 2008 0.904203 Sep 25, 2008 Oct 24, 2008 0.900203 Oct 27, 2008 Nov 24, 2008 0.900203 Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592	
Oct 25, 2007 Nov 23, 2007 0.979561 Nov 26, 2007 Dec 24, 2007 0.979112 Dec 26, 2007 Jan 24, 2008 0.973608 Jan 25, 2008 Feb 22, 2008 0.966185 Feb 25, 2008 Mar 24, 2008 0.958068 Mar 25, 2008 Apr 24, 2008 0.952034 Apr 25, 2008 May 23, 2008 0.941587 May 27, 2008 Jun 24, 2008 0.930428 Jun 25, 2008 Jul 24, 2008 0.920942 Jul 25, 2008 Aug 22, 2008 0.907972 Aug 25, 2008 Sep 24, 2008 0.900203 Oct 27, 2008 Nov 24, 2008 0.900203 Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592	
Nov 26, 2007 Dec 24, 2007 0.979112 Dec 26, 2007 Jan 24, 2008 0.973608 Jan 25, 2008 Feb 22, 2008 0.966185 Feb 25, 2008 Mar 24, 2008 0.958068 Mar 25, 2008 Apr 24, 2008 0.952034 Apr 25, 2008 May 23, 2008 0.941587 May 27, 2008 Jun 24, 2008 0.930428 Jun 25, 2008 Jul 24, 2008 0.920942 Jul 25, 2008 Aug 22, 2008 0.907972 Aug 25, 2008 Sep 24, 2008 0.904203 Sep 25, 2008 Oct 24, 2008 0.900203 Oct 27, 2008 Nov 24, 2008 0.900203 Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592	
Dec 26, 2007 Jan 24, 2008 0.973608 Jan 25, 2008 Feb 22, 2008 0.966185 Feb 25, 2008 Mar 24, 2008 0.958068 Mar 25, 2008 Apr 24, 2008 0.952034 Apr 25, 2008 May 23, 2008 0.941587 May 27, 2008 Jun 24, 2008 0.930428 Jun 25, 2008 Jul 24, 2008 0.920942 Jul 25, 2008 Aug 22, 2008 0.907972 Aug 25, 2008 Sep 24, 2008 0.904203 Sep 25, 2008 Oct 24, 2008 0.900203 Oct 27, 2008 Nov 24, 2008 0.900203 Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592	
Jan 25, 2008 Feb 22, 2008 0.966185 Feb 25, 2008 Mar 24, 2008 0.958068 Mar 25, 2008 Apr 24, 2008 0.952034 Apr 25, 2008 May 23, 2008 0.941587 May 27, 2008 Jun 24, 2008 0.930428 Jun 25, 2008 Jul 24, 2008 0.920942 Jul 25, 2008 Aug 22, 2008 0.907972 Aug 25, 2008 Sep 24, 2008 0.904203 Sep 25, 2008 Oct 24, 2008 0.900203 Oct 27, 2008 Nov 24, 2008 0.900203 Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592	
Feb 25, 2008 Mar 24, 2008 0.958068 Mar 25, 2008 Apr 24, 2008 0.952034 Apr 25, 2008 May 23, 2008 0.941587 May 27, 2008 Jun 24, 2008 0.930428 Jun 25, 2008 Jul 24, 2008 0.920942 Jul 25, 2008 Aug 22, 2008 0.907972 Aug 25, 2008 Sep 24, 2008 0.904203 Sep 25, 2008 Oct 24, 2008 0.900203 Oct 27, 2008 Nov 24, 2008 0.900203 Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592	
Mar 25, 2008 Apr 24, 2008 0.952034 Apr 25, 2008 May 23, 2008 0.941587 May 27, 2008 Jun 24, 2008 0.930428 Jun 25, 2008 Jul 24, 2008 0.920942 Jul 25, 2008 Aug 22, 2008 0.907972 Aug 25, 2008 Sep 24, 2008 0.904203 Sep 25, 2008 Oct 24, 2008 0.900203 Oct 27, 2008 Nov 24, 2008 0.900203 Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592	
Apr 25, 2008 May 23, 2008 0.941587 May 27, 2008 Jun 24, 2008 0.930428 Jun 25, 2008 Jul 24, 2008 0.920942 Jul 25, 2008 Aug 22, 2008 0.907972 Aug 25, 2008 Sep 24, 2008 0.904203 Sep 25, 2008 Oct 24, 2008 0.900203 Oct 27, 2008 Nov 24, 2008 0.900203 Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592	
May 27, 2008 Jun 24, 2008 0.930428 Jun 25, 2008 Jul 24, 2008 0.920942 Jul 25, 2008 Aug 22, 2008 0.907972 Aug 25, 2008 Sep 24, 2008 0.904203 Sep 25, 2008 Oct 24, 2008 0.900203 Oct 27, 2008 Nov 24, 2008 0.900203 Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592	
Jun 25, 2008 Jul 24, 2008 0.920942 Jul 25, 2008 Aug 22, 2008 0.907972 Aug 25, 2008 Sep 24, 2008 0.904203 Sep 25, 2008 Oct 24, 2008 0.900203 Oct 27, 2008 Nov 24, 2008 0.900203 Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592	_ _ _ _
Jul 25, 2008 Aug 22, 2008 0.907972 Aug 25, 2008 Sep 24, 2008 0.904203 Sep 25, 2008 Oct 24, 2008 0.900203 Oct 27, 2008 Nov 24, 2008 0.900203 Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592	
Aug 25, 2008 Sep 24, 2008 0.904203 Sep 25, 2008 Oct 24, 2008 0.900203 Oct 27, 2008 Nov 24, 2008 0.900203 Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592	
Sep 25, 2008 Oct 24, 2008 0.900203 Oct 27, 2008 Nov 24, 2008 0.900203 Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592	_
Oct 27, 2008 Nov 24, 2008 0.900203 Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592 Feb 25, 2009 Mar 24, 2009	
Nov 25, 2008 Dec 24, 2008 0.894183 Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592 Feb 25, 2009 Mar 24, 2009	
Dec 26, 2008 Jan 23, 2009 0.894183 Jan 26, 2009 Feb 24, 2009 0.891592 Feb 25, 2009 Mar 24, 2009	
Jan 26, 2009 Feb 24, 2009 0.891592 Feb 25, 2009 Mar 24, 2009	
Eeh 25, 2009 Mar 24, 2009	—
Mar 25, 2009 Apr 24, 2009	
Apr 27, 2009 May 22, 2009	
May 26, 2009 Jun 24, 2009	
lup 25 2000 lul 24 2000	—
UI 27 2009 Δυσ 24 2009	—
Δυσ 25 2009 Sen 24 2009	—
Sen 25, 2009 Oct 23, 2009	—
Oct 26, 2000 Nov. 24, 2000	
Nov. 25, 2000 Pos. 24, 2000	—
Dec 20, 2000 len 22, 2010	
Inn 25, 2010 Eph 24, 2010	—
Feb 25, 2010 Mar 24, 2010 0.693217 October 17	—
Mar 25, 2010 Apr 23, 2010 0.669544	—
Apr 26, 2010 May 24, 2010 0.659356	—
May 25, 2010 Jun 24, 2010 0.653368	
Jun 25, 2010 Jul 23, 2010 0.649769	
Jul 26, 2010 Aug 24, 2010 0.634429	
Aug 25, 2010 Sep 24, 2010 0.612185	
Sep 27, 2010 Oct 22, 2010 0.594268	
Oct 25, 2010 Nov 24, 2010 0.569289	
Nov 26, 2010 Dec 23, 2010 0.543197	
Dec 27, 2010 Jan 24, 2011 0.518036	
Jan 25, 2011 Feb 24, 2011 0.489573	
Feb 25, 2011 Mar 24, 2011 0.473512	
Mar 25, 2011 Apr 22, 2011 0.463644	
Apr 25, 2011 May 24, 2011 0.446519	
May 25, 2011 Jun 24, 2011 0.443799	
lun 27 2011 Jul 22 2011	_
Jun 27, 2011 Jul 22, 2011 0.435491	
Jul 27, 2011 Jul 22, 2011 0.435491 Jul 25, 2011 Aug 24, 2011 0.426730 Aug 25, 2011 Sep 23, 2011 0.419273	

1A13 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.403388
Oct 25, 2011	Nov 23, 2011	0.394834
Nov 25, 2011	Dec 23, 2011	0.391007
Dec 27, 2011	Jan 24, 2012	0.386175
Jan 25, 2012	Feb 24, 2012	0.378867
Feb 27, 2012	Mar 23, 2012	0.374348
Mar 26, 2012	Apr 24, 2012	0.371906
Apr 25, 2012	May 24, 2012	0.366065
May 25, 2012	Jun 22, 2012	0.359161
Jun 25, 2012	Jul 24, 2012	0.355413
Jul 25, 2012	Aug 24, 2012	0.349676
Aug 27, 2012	Sep 24, 2012	0.344321
Sep 25, 2012	Oct 24, 2012	0.338761
Oct 25, 2012	Nov 23, 2012	0.331306
Nov 26, 2012	Dec 24, 2012	0.327567
Dec 26, 2012	Jan 24, 2013	0.324323
Jan 25, 2013	Feb 22, 2013	0.319754
Feb 25, 2013	Mar 22, 2013	0.313476
Mar 25, 2013	Apr 24, 2013	0.309577
Apr 25, 2013	May 24, 2013	0.304865
May 28, 2013	Jun 24, 2013	0.297688
Jun 25, 2013	Jul 24, 2013	0.293063
Jul 25, 2013	Aug 23, 2013	0.286417
Aug 26, 2013	Sep 24, 2013	0.277922
Sep 25, 2013	Oct 24, 2013	0.271430
Oct 25, 2013	Nov 22, 2013	0.267551
Nov 25, 2013	Dec 24, 2013	0.263525
Dec 26, 2013	Jan 24, 2014	0.259156
Jan 27, 2014	Feb 24, 2014	0.255516
Feb 25, 2014	Mar 24, 2014	0.252142
Mar 25, 2014	Apr 24, 2014	0.249740
Apr 25, 2014	May 23, 2014	0.245543
May 27, 2014	Jun 24, 2014	0.241046
Jun 25, 2014	Jul 24, 2014	0.237257
Jul 25, 2014	Aug 22, 2014	0.233617
Aug 25, 2014	Sep 24, 2014	0.230351
Sep 25, 2014	Oct 24, 2014	0.226361
Oct 27, 2014	Nov 24, 2014	0.224895
Nov 25, 2014	Dec 24, 2014	0.220904
Dec 26, 2014	Jan 23, 2015	0.217492
Jan 26, 2015	Feb 24, 2015	0.214124
Feb 25, 2015	Mar 24, 2015	0.210989
Mar 25, 2015	Apr 24, 2015	0.209787
Apr 27, 2015	May 22, 2015	0.206658
May 26, 2015	Jun 24, 2015	0.203651
Jun 25, 2015		0.201728

1A14 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	•	1.000000
	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A14 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.981075
Feb 01, 2012	Feb 29, 2012	0.969375
Mar 01, 2012	Mar 30, 2012	0.963050
Apr 02, 2012	Apr 30, 2012	0.947926
May 01, 2012	May 31, 2012	0.930048
Jun 01, 2012	Jun 29, 2012	0.920343
Jul 02, 2012	Jul 31, 2012	0.905485
Aug 01, 2012	Aug 31, 2012	0.891620
Sep 04, 2012	Sep 28, 2012	0.877222
Oct 01, 2012	Oct 31, 2012	0.857916
Nov 01, 2012	Nov 30, 2012	0.848234
Dec 03, 2012	Dec 31, 2012	0.839834
Jan 02, 2013	Jan 31, 2013	0.828003
Feb 01, 2013	Feb 28, 2013 Mar 29, 2013	0.811833
Mar 01, 2013 Apr 01, 2013	Apr 30, 2013	0.801874
May 01, 2013	May 31, 2013	0.789889
Jun 03, 2013	Jun 28, 2013	0.771767
Jul 01, 2013	Jul 31, 2013	0.760220
Aug 01, 2013	Aug 30, 2013	0.743737
Sep 03, 2013	Sep 30, 2013	0.723004
Oct 01, 2013	Oct 31, 2013	0.707285 0.697915
Nov 01, 2013	Nov 29, 2013	0.688204
Dec 02, 2013	Dec 31, 2013	0.677719
Jan 02, 2014	Jan 31, 2014	0.669029
Feb 03, 2014	Feb 28, 2014	0.660990
Mar 03, 2014	Mar 31, 2014	0.655266
Apr 01, 2014	Apr 30, 2014	0.645267
May 01, 2014	May 30, 2014	0.634548
Jun 02, 2014	Jun 30, 2014	0.625518
Jul 01, 2014	Jul 31, 2014	0.616835
Aug 01, 2014	Aug 29, 2014	0.609044
Sep 02, 2014	Sep 30, 2014	0.599526
Oct 01, 2014	Oct 31, 2014	0.596027
Nov 03, 2014	Nov 28, 2014	0.586506
Dec 01, 2014	Dec 31, 2014	0.578364
Jan 02, 2015	Jan 30, 2015	0.570329
Feb 02, 2015	Feb 27, 2015	0.562849
Mar 02, 2015	Mar 31, 2015	0.559980
Apr 01, 2015	Apr 30, 2015	0.552512
May 01, 2015	May 29, 2015	0.545333
Jun 01, 2015		0.540739

1A15 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
	·	

1A15 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.828003
Feb 25, 2013	Mar 22, 2013	0.811712
Mar 25, 2013	Apr 24, 2013	0.801566
Apr 25, 2013	May 24, 2013	0.789283
May 28, 2013	Jun 24, 2013	0.770523
Jun 25, 2013	Jul 24, 2013	0.758384
Jul 25, 2013	Aug 23, 2013	0.740903
Aug 26, 2013	Sep 24, 2013	0.718432
Sep 25, 2013	Oct 24, 2013	0.701210
Oct 25, 2013	Nov 22, 2013	0.690912
Nov 25, 2013	Dec 24, 2013	0.680220
Dec 26, 2013	Jan 24, 2014	0.668595
Jan 27, 2014	Feb 24, 2014	0.658894
Feb 25, 2014	Mar 24, 2014	0.649895
Mar 25, 2014	Apr 24, 2014	0.643487
Apr 25, 2014	May 23, 2014	0.632294
May 27, 2014	Jun 24, 2014	0.620300
Jun 25, 2014	Jul 24, 2014	0.610196
Jul 25, 2014	Aug 22, 2014	0.600490
Aug 25, 2014	Sep 24, 2014	0.591782
Sep 25, 2014	Oct 24, 2014	0.581147
Oct 27, 2014	Nov 24, 2014	0.577236
Nov 25, 2014	Dec 24, 2014	0.566598
Dec 26, 2014	Jan 23, 2015	0.557500
Jan 26, 2015	Feb 24, 2015	0.548523
Feb 25, 2015	Mar 24, 2015	0.540165
Mar 25, 2015	Apr 24, 2015	0.536960
Apr 27, 2015	May 22, 2015	0.528621
May 26, 2015	Jun 24, 2015	0.520605
Jun 25, 2015		0.515479

1A16 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A16 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.828003
Feb 25, 2013	Mar 22, 2013	0.811745
Mar 25, 2013	Apr 24, 2013	0.801650
Apr 25, 2013	May 24, 2013	0.789448
May 28, 2013	Jun 24, 2013	0.770862
Jun 25, 2013	Jul 24, 2013	0.758885
Jul 25, 2013	Aug 23, 2013	0.741676
Aug 26, 2013	Sep 24, 2013	0.719680
Sep 25, 2013	Oct 24, 2013	0.702868
Oct 25, 2013	Nov 22, 2013	0.692823
Nov 25, 2013	Dec 24, 2013	0.682399
Dec 26, 2013	Jan 24, 2014	0.671085
Jan 27, 2014	Feb 24, 2014	0.661660
Feb 25, 2014	Mar 24, 2014	0.652923
Mar 25, 2014	Apr 24, 2014	0.646702
Apr 25, 2014	May 23, 2014	0.635834
May 27, 2014	Jun 24, 2014	0.624189
Jun 25, 2014	Jul 24, 2014	0.614378
Jul 25, 2014	Aug 22, 2014	0.604951
Aug 25, 2014	Sep 24, 2014	0.596494
Sep 25, 2014	Oct 24, 2014	0.586163
Oct 27, 2014	Nov 24, 2014	0.582364
Nov 25, 2014	Dec 24, 2014	0.572031
Dec 26, 2014	Jan 23, 2015	0.563195
Jan 26, 2015	Feb 24, 2015	0.554474
Feb 25, 2015	Mar 24, 2015	0.546356
Mar 25, 2015	Apr 24, 2015	0.543243
Apr 27, 2015	May 22, 2015	0.535142
May 26, 2015	Jun 24, 2015	0.527354
Jun 25, 2015		0.522373

1A17 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A17 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.981075
Feb 01, 2012	Feb 29, 2012	0.969375
Mar 01, 2012	Mar 30, 2012	0.963050
Apr 02, 2012	Apr 30, 2012	0.947926
May 01, 2012	May 31, 2012	0.930048
Jun 01, 2012	Jun 29, 2012	0.920343
Jul 02, 2012	Jul 31, 2012	0.905485
Aug 01, 2012	Aug 31, 2012	0.891620
Sep 04, 2012	Sep 28, 2012	0.877222
Oct 01, 2012	Oct 31, 2012	0.857916
Nov 01, 2012	Nov 30, 2012	0.848234
Dec 03, 2012	Dec 31, 2012	0.839834
Jan 02, 2013	Jan 31, 2013	0.828003
Feb 01, 2013	Feb 28, 2013	0.811717
Mar 01, 2013	Mar 29, 2013	0.801578
Apr 01, 2013	Apr 30, 2013	0.789307
May 01, 2013	May 31, 2013	0.770571
Jun 03, 2013	Jun 28, 2013	0.758456
Jul 01, 2013	Jul 31, 2013	0.741013
Aug 01, 2013	Aug 30, 2013	0.718610
Sep 03, 2013	Sep 30, 2013	0.701447
Oct 01, 2013	Oct 31, 2013	0.691185
Nov 01, 2013	Nov 29, 2013	0.680531
Dec 02, 2013	Dec 31, 2013	0.668951
Jan 02, 2014	Jan 31, 2014	0.659289
Feb 03, 2014	Feb 28, 2014	0.650327
Mar 03, 2014	Mar 31, 2014	0.643946
Apr 01, 2014	Apr 30, 2014	0.632799
May 01, 2014	May 30, 2014	0.620856
Jun 02, 2014	Jun 30, 2014	0.610794
Jul 01, 2014	Jul 31, 2014	0.601127
Aug 01, 2014	Aug 29, 2014	0.592455
Sep 02, 2014	Sep 30, 2014	0.581863
Oct 01, 2014	Oct 31, 2014	0.577968
Nov 03, 2014	Nov 28, 2014	0.567374
Dec 01, 2014	Dec 31, 2014	0.558314
Jan 02, 2015	Jan 30, 2015	0.549373
Feb 02, 2015	Feb 27, 2015	0.541049
Mar 02, 2015	Mar 31, 2015	0.537857
Apr 01, 2015	Apr 30, 2015	0.529553
May 01, 2015	May 29, 2015	0.521570
Jun 01, 2015		0.516464

1A18 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	
Nov 25, 2008	Dec 24, 2008	0.903658
Dec 26, 2008	Jan 23, 2009	0.899346
Jan 26, 2009	Feb 24, 2009	0.896944
Feb 25, 2009	Mar 24, 2009	0.893055
Mar 25, 2009	Apr 24, 2009	0.887255
Apr 27, 2009	May 22, 2009	0.878490
May 26, 2009	Jun 24, 2009	0.873477
Jun 25, 2009	Jul 24, 2009	0.862872
Jul 27, 2009	Aug 24, 2009	0.854772
Aug 25, 2009	Sep 24, 2009	0.845720
Sep 25, 2009	Oct 23, 2009	0.837527
Oct 26, 2009	Nov 24, 2009	0.833587
Nov 25, 2009	Dec 24, 2009	0.822105
Dec 28, 2009	Jan 22, 2010	0.820290
Jan 25, 2010	Feb 24, 2010	0.809519
Feb 25, 2010	Mar 24, 2010	0.801440
Mar 25, 2010	Apr 23, 2010	0.796434
Apr 26, 2010	May 24, 2010	0.793494
May 25, 2010	Jun 24, 2010	0.785632 0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011	Feb 24, 2011	0.689750
Feb 25, 2011	Mar 24, 2011	0.682508
Mar 25, 2011	Apr 22, 2011	0.674716
Apr 25, 2011	May 24, 2011	0.667134
May 25, 2011	Jun 24, 2011	0.662305
Jun 27, 2011	Jul 22, 2011	0.655648
Jul 25, 2011	Aug 24, 2011	0.645537
Aug 25, 2011	Sep 23, 2011	0.638723

1A18 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.563907
Sep 25, 2012	Oct 24, 2012	0.556313
Oct 25, 2012	Nov 23, 2012	0.552088
Nov 26, 2012	Dec 24, 2012	0.548002
Dec 26, 2012	Jan 24, 2013	0.546002
Jan 25, 2013	Feb 22, 2013	0.542425
Feb 25, 2013	Mar 22, 2013	0.529409
Mar 25, 2013	Apr 24, 2013	0.524284
Apr 25, 2013	May 24, 2013	0.518005
May 28, 2013	Jun 24, 2013	0.514137
Jun 25, 2013	Jul 24, 2013	0.509823
Jul 25, 2013	Aug 23, 2013	0.504958
Aug 26, 2013	Sep 24, 2013	0.497074
Sep 25, 2013	Oct 24, 2013	0.493636
Oct 25, 2013	Nov 22, 2013	0.488009
Nov 25, 2013	Dec 24, 2013	0.480937
Dec 26, 2013	Jan 24, 2014	0.476982
Jan 27, 2014	Feb 24, 2014	0.473956
Feb 25, 2014	Mar 24, 2014	0.471439
Mar 25, 2014	Apr 24, 2014	0.470387
Apr 25, 2014	May 23, 2014	0.466470
May 27, 2014	Jun 24, 2014	0.461418
Jun 25, 2014	Jul 24, 2014	0.455162
Jul 25, 2014	Aug 22, 2014	0.451604
Aug 25, 2014	Sep 24, 2014	0.448564
Sep 25, 2014	Oct 24, 2014	0.440428
Oct 27, 2014	Nov 24, 2014	0.439027
Nov 25, 2014	Dec 24, 2014	0.433504
Dec 26, 2014	Jan 23, 2015	0.429097
Jan 26, 2015	Feb 24, 2015	0.426395
Feb 25, 2015	Mar 24, 2015	0.423669
Mar 25, 2015	Apr 24, 2015	0.422121
Apr 27, 2015	May 22, 2015	0.417163
May 26, 2015	Jun 24, 2015	0.412826
Jun 25, 2015		0.411395

1A19 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	0.000000
Aug 27, 2007	Sep 24, 2007	0.000000
Sep 25, 2007	Oct 24, 2007	0.000000
Oct 25, 2007	Nov 23, 2007	0.000000
Nov 26, 2007	Dec 24, 2007	0.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	0.000000
Feb 25, 2008	Mar 24, 2008	0.000000
Mar 25, 2008	Apr 24, 2008	0.000000
Apr 25, 2008	May 23, 2008	0.000000
May 27, 2008	Jun 24, 2008	0.000000
Jun 25, 2008	Jul 24, 2008	0.000000
Ū.	•	0.000000
Jul 25, 2008	Aug 22, 2008	0.000000
Aug 25, 2008	Sep 24, 2008	0.000000
Sep 25, 2008	Oct 24, 2008	0.000000
Oct 27, 2008	Nov 24, 2008	0.000000
Nov 25, 2008	Dec 24, 2008	0.000000
Dec 26, 2008	Jan 23, 2009	0.000000
Jan 26, 2009	Feb 24, 2009	0.000000
Feb 25, 2009	Mar 24, 2009	0.000000
Mar 25, 2009	Apr 24, 2009	0.000000
Apr 27, 2009	May 22, 2009	0.000000
May 26, 2009	Jun 24, 2009	0.000000
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Aug 25, 2011	Sep 23, 2011	0.000000

1A19 Certificate Writedown Free Factor Chart

Sep 26, 2011 Oct 24, 2011 0.000000 Oct 25, 2011 Nov 23, 2011 0.000000 Nov 25, 2011 Dec 23, 2011 0.000000 Dec 27, 2011 Jan 24, 2012 0.000000 Jan 25, 2012 Feb 24, 2012 0.000000 Feb 27, 2012 Mar 23, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 Jul 25, 2012 Jul 24, 2012 0.000000 Jul 25, 2012 Aug 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Oct 25, 2012 Nov 23, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Nov 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Feb 25, 2013 Mar 24, 2013 0.000000 Mar 25, 2013 <t< th=""><th><u>From</u></th><th><u>To</u></th><th>Writedown Free Factor</th></t<>	<u>From</u>	<u>To</u>	Writedown Free Factor
Nov 25, 2011 Dec 23, 2011 0.000000 Dec 27, 2011 Jan 24, 2012 0.000000 Feb 27, 2012 Feb 24, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 Mar 26, 2012 May 24, 2012 0.000000 May 25, 2012 May 24, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jun 24, 2012 0.000000 Jun 25, 2012 Jun 24, 2012 0.000000 Jun 25, 2012 Jun 24, 2012 0.000000 Jun 25, 2012 Aug 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Oct 25, 2012 Nov 23, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Jun 24, 2014 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jun 27, 2014 Feb 24, 2014 0.000000 May 27, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 May 23, 2014 0.000000 Aug 25, 2014 May 23, 2014 0.000000 Aug 25, 2014 May 27, 2014 0.000000 Aug 25, 2014 Jun 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Jun 25, 2014 Dec 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2015 0.000000 Aug 25, 2015 May 22, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.0000000	Sep 26, 2011	Oct 24, 2011	0.000000
Dec 27, 2011 Jan 24, 2012 0.000000 Jan 25, 2012 Feb 24, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 Apr 25, 2012 Jun 22, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Aug 27, 2012 Aug 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Oct 25, 2013 Jun 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2012 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 24, 2013 0.000000 Apr 25, 2013 Mar 24, 2013 0.000000 Mar 25, 2013 Jun 24, 2013 0.000000 Mar 25, 2013 Mar 24, 2013 0.000000 Apr 25, 2013 Jun 24, 2013 0.000000 Apr 25, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2014 0.000000 Dec 26, 2014 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Aug 25, 2014 Mar 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 26, 2015 Feb 24, 2015 0.000000 Aug 26, 2015 Mar 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000	Oct 25, 2011	Nov 23, 2011	0.000000
Jan 25, 2012 Feb 24, 2012 0.000000 Feb 27, 2012 Mar 23, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 Apr 25, 2012 May 24, 2012 0.000000 Jun 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Oct 25, 2012 Nov 23, 2012 0.000000 Jan 25, 2013 Jan 24, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Aug 27, 2014 Jan 24, 2013 0.000000 Jan 25, 2013 Mar 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 Mar 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Apr 25, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Aug 26, 2013 Jan 24, 2014 0.000000 Apr 25, 2014 Mar 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Apr 25, 2014 Mar 24, 2014 0.000000 Aug 25, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 26, 2015 Feb 24, 2015 0.000000 Aug 26, 2015 Mar 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000	Nov 25, 2011	Dec 23, 2011	0.000000
Feb 27, 2012 Mar 23, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 Apr 25, 2012 May 24, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Oct 25, 2012 Nov 23, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2015 0.000000 Aug 26, 2015 Feb 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000	Dec 27, 2011	Jan 24, 2012	0.000000
Mar 26, 2012	Jan 25, 2012	Feb 24, 2012	0.000000
Apr 25, 2012 May 24, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Jul 25, 2012 Aug 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Oct 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 May 23, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2015 May 22, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000	Feb 27, 2012	Mar 23, 2012	0.000000
May 25, 2012 Jun 22, 2012 Jun 25, 2012 Jul 24, 2012 O.000000 Jul 25, 2012 Aug 24, 2012 O.000000 Aug 27, 2012 Sep 24, 2012 O.000000 Sep 25, 2012 Oct 24, 2012 O.000000 Nov 26, 2012 Dec 24, 2012 O.000000 Jan 25, 2013 Feb 22, 2013 O.000000 Mar 25, 2013 Mar 22, 2013 O.000000 May 28, 2013 Aug 24, 2013 O.000000 Aug 27, 2014 Aug 24, 2014 O.000000 Feb 25, 2013 Apr 24, 2013 O.000000 May 28, 2013 Jul 24, 2013 O.000000 Jun 25, 2013 Aug 23, 2013 O.000000 Aug 26, 2013 Dec 24, 2013 O.000000 Jul 25, 2013 Aug 23, 2013 O.000000 Aug 26, 2013 Sep 24, 2013 O.000000 Aug 26, 2013 Dec 24, 2013 O.000000 Aug 26, 2013 Dec 24, 2013 O.000000 Aug 26, 2013 Aug 27, 2014 Feb 24, 2014 O.000000 Jun 25, 2014 Aug 27, 2014 Aug 28, 2014 Aug 29, 2014 O.000000 Aug 27, 2014 Aug 28, 2014 O.000000 Aug 27, 2014 Aug 28, 2014 O.000000 Aug 28, 2014 Aug 29, 2014 O.000000 Aug 29, 2015 Oct 24, 2014 O.000000 Oct 25, 2014 Aug 29, 2014 O.000000 Aug 27, 2014 Aug 29, 2014 O.000000 Aug 26, 2014 Aug 27, 2014 Aug 29, 2014 O.000000 Aug 25, 2014 Aug 29, 2015 O.000000 Aug 26, 2015 Aug 29, 2015 O.000000 Aug 26, 2015 Aug 29, 2015 O.000000 Aug 26, 2015 Aug 29, 2015 O.0000000	Mar 26, 2012	Apr 24, 2012	0.000000
Jun 25, 2012 Jul 24, 2012 O.000000 Jul 25, 2012 Aug 24, 2012 O.000000 Aug 27, 2012 Sep 24, 2012 O.000000 Sep 25, 2012 Oct 24, 2012 O.000000 Nov 26, 2012 Dec 24, 2012 O.000000 Jan 25, 2013 Feb 22, 2013 O.000000 Mar 25, 2013 Mar 22, 2013 O.000000 Apr 25, 2013 May 24, 2013 O.000000 Apr 25, 2013 May 24, 2013 O.000000 May 28, 2013 Jun 24, 2013 O.000000 Jun 25, 2013 Jul 24, 2013 O.000000 Jul 25, 2013 Aug 23, 2013 O.000000 Jul 25, 2013 Aug 23, 2013 O.000000 Aug 26, 2013 Sep 24, 2013 O.000000 Sep 25, 2013 Oct 24, 2013 O.000000 Oct 25, 2013 Oct 24, 2013 O.000000 Oct 25, 2013 Oct 24, 2013 O.000000 Dec 26, 2013 Dec 24, 2013 O.000000 Aug 26, 2013 Dec 26, 2013 Oct 27, 2014 Aug 22, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Sep 24, 2014 O.000000 Aug 25, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Aug 27, 2014 Aug 27, 2014 Aug 28, 2015 O.000000 Aug 26, 2015 Aug 27, 2015 Aug 27, 2015 Aug 28, 2015 O.000000 Aug 26, 2015 Aug 27, 2015 Aug 2015 O.000000 Aug 26, 2015 Aug 27, 20	Apr 25, 2012	May 24, 2012	0.000000
Jul 25, 2012 Aug 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Feb 25, 2013 Feb 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jul 25, 2013 Aug 23, 2013 0.000000 Jul 25, 2013 Aug 23, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Oct 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 May 27, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Sep 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Sep 24, 2014 0.000000 Jun 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Jun 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Mar 25, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	May 25, 2012	Jun 22, 2012	0.000000
Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Sep 24, 2014 0.000000 Apr 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jun 23, 2015 0.000000 Apr 27, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 Apr 25, 2015 Jun 24, 2015 0.000000 Apr 25, 2015 Jun 24, 2015 0.000000	Jun 25, 2012	Jul 24, 2012	0.000000
Sep 25, 2012 Oct 24, 2012 0.000000 Oct 25, 2012 Nov 23, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Nov 25, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Jul 25, 2012	Aug 24, 2012	0.000000
Oct 25, 2012 Nov 23, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Apr 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Aug 23, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Apr 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Jun 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Dec 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Aug 27, 2012	Sep 24, 2012	0.000000
Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Apr 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Aug 23, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Sep 25, 2012	Oct 24, 2012	0.000000
Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Apr 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jul 25, 2013 Aug 23, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Jul 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Aug 25, 2014 Dec 24, 2014 0.000000 Aug 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Oct 25, 2012	Nov 23, 2012	0.000000
Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Apr 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Nov 25, 2013 Nov 22, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Aug 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 May 26, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Nov 26, 2012	Dec 24, 2012	0.000000
Feb 25, 2013	Dec 26, 2012	Jan 24, 2013	0.000000
Mar 25, 2013	Jan 25, 2013	Feb 22, 2013	0.000000
Apr 25, 2013	Feb 25, 2013	Mar 22, 2013	0.000000
May 28, 2013 Jun 24, 2013 Jun 25, 2013 Jul 24, 2013 O.000000 Jul 25, 2013 Aug 23, 2013 O.000000 Aug 26, 2013 Sep 24, 2013 Oct 24, 2013 Oct 24, 2013 O.000000 Oct 25, 2013 Nov 22, 2013 O.000000 Nov 25, 2013 Dec 24, 2013 O.000000 Dec 26, 2013 Jan 24, 2014 O.000000 Mar 25, 2014 Apr 24, 2014 O.000000 May 27, 2014 Jun 24, 2014 O.000000 Jul 25, 2014 Jul 24, 2014 O.000000 Aug 25, 2014 Aug 22, 2014 Oct 24, 2014 O.000000 Aug 25, 2014 Oct 24, 2014 Oct 24, 2014 O.000000 Oct 27, 2014 Nov 24, 2014 O.000000 Dec 26, 2014 Jun 26, 2015 Feb 24, 2015 O.000000 May 26, 2015 May 26, 2015 Jun 24, 2015 O.000000 May 26, 2015 Jun 24, 2015 O.000000 May 26, 2015 Jun 24, 2015 O.000000 Jun 25, 2015 Jun 24, 2015 O.000000 May 26, 2015 Jun 24, 2015 O.000000	Mar 25, 2013	Apr 24, 2013	0.000000
Jun 25, 2013 Jul 24, 2013 O.000000 Jul 25, 2013 Aug 23, 2013 O.000000 Sep 25, 2013 Oct 24, 2013 O.000000 Nov 25, 2013 Dec 24, 2013 O.000000 Dec 26, 2013 Jan 24, 2014 O.000000 Mar 25, 2014 Mar 24, 2014 O.000000 Apr 25, 2014 May 23, 2014 O.000000 May 27, 2014 Jun 24, 2014 O.000000 May 25, 2014 Jun 24, 2014 O.000000 Jun 25, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Aug 28, 2014 O.000000 Aug 27, 2014 Aug 29, 2014 O.000000 Aug 25, 2014 Oct 24, 2014 O.000000 Aug 25, 2014 Oct 24, 2014 O.000000 Sep 25, 2014 Oct 24, 2014 O.000000 Oct 27, 2014 Nov 24, 2014 O.000000 Dec 26, 2014 Jun 23, 2015 O.000000 Jan 26, 2015 Feb 24, 2015 O.000000 May 26, 2015 May 26, 2015 Jun 24, 2015 O.000000	Apr 25, 2013	May 24, 2013	0.000000
Jul 25, 2013 Aug 23, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 May 26, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	May 28, 2013	Jun 24, 2013	0.000000
Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Aug 22, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jun 26, 2015 Feb 24, 2015 0.000000 May 26, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Jun 25, 2013	Jul 24, 2013	0.000000
Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jul 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 <t< td=""><td>Jul 25, 2013</td><td>Aug 23, 2013</td><td>0.000000</td></t<>	Jul 25, 2013	Aug 23, 2013	0.000000
Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Sep 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Oct 27, 2014 Dec 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 May 26, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Aug 26, 2013	Sep 24, 2013	0.000000
Nov 25, 2013 Dec 24, 2014 Dec 26, 2013 Jan 24, 2014 Dec 26, 2014 Jan 27, 2014 Feb 24, 2014 Dec 26, 2014 Mar 24, 2014 Dec 26, 2014 Mar 25, 2014 Apr 24, 2014 Dec 26, 2014 Apr 27, 2014 Apr 28, 2014 Dec 28, 2014 Jun 29, 2014 Jun 29, 2014 Jun 29, 2014 Dec 29, 2015 Dec 2	Sep 25, 2013	Oct 24, 2013	0.000000
Dec 26, 2013	Oct 25, 2013	Nov 22, 2013	0.000000
Jan 27, 2014 Feb 24, 2014 0.000000 Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Nov 25, 2013	Dec 24, 2013	0.000000
Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Dec 26, 2013	Jan 24, 2014	0.000000
Mar 25, 2014	Jan 27, 2014	Feb 24, 2014	0.000000
Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Feb 25, 2014	Mar 24, 2014	0.000000
May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Mar 25, 2014	Apr 24, 2014	0.000000
Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Apr 25, 2014	May 23, 2014	0.000000
Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	May 27, 2014	Jun 24, 2014	0.000000
Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Jun 25, 2014	Jul 24, 2014	0.000000
Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Jul 25, 2014	Aug 22, 2014	0.000000
Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Aug 25, 2014	Sep 24, 2014	0.000000
Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Sep 25, 2014	Oct 24, 2014	0.000000
Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Oct 27, 2014	Nov 24, 2014	0.000000
Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Nov 25, 2014	Dec 24, 2014	0.000000
Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Dec 26, 2014	Jan 23, 2015	0.000000
Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Jan 26, 2015	Feb 24, 2015	0.000000
Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Feb 25, 2015	Mar 24, 2015	0.000000
May 26, 2015 Jun 24, 2015 0.000000	Mar 25, 2015	Apr 24, 2015	0.000000
lun 2F 201F	Apr 27, 2015	May 22, 2015	0.000000
Jun 25, 2015 0.000000	May 26, 2015	Jun 24, 2015	0.000000
	Jun 25, 2015		0.000000

1A20 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010 May 25, 2010	May 24, 2010 Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A20 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.828003
Feb 25, 2013	Mar 22, 2013	0.811745
Mar 25, 2013 Apr 25, 2013	Apr 24, 2013 May 24, 2013	0.801651
May 28, 2013	Jun 24, 2013	0.789449
Jun 25, 2013	Jul 24, 2013	0.770863
Jul 25, 2013	Aug 23, 2013	0.758887
Aug 26, 2013	Sep 24, 2013	0.741678
Sep 25, 2013	Oct 24, 2013	0.719681
Oct 25, 2013	Nov 22, 2013	0.702870 0.692825
Nov 25, 2013	Dec 24, 2013	0.682401
Dec 26, 2013	Jan 24, 2014	0.671088
Jan 27, 2014	Feb 24, 2014	0.661662
Feb 25, 2014	Mar 24, 2014	0.652926
Mar 25, 2014	Apr 24, 2014	0.646705
Apr 25, 2014	May 23, 2014	0.635837
May 27, 2014	Jun 24, 2014	0.624192
Jun 25, 2014	Jul 24, 2014	0.614382
Jul 25, 2014	Aug 22, 2014	0.604954
Aug 25, 2014	Sep 24, 2014	0.596497
Sep 25, 2014	Oct 24, 2014	0.586167
Oct 27, 2014	Nov 24, 2014	0.582368
Nov 25, 2014	Dec 24, 2014	0.572035
Dec 26, 2014	Jan 23, 2015	0.563199
Jan 26, 2015	Feb 24, 2015	0.554479
Feb 25, 2015	Mar 24, 2015	0.546361
Mar 25, 2015	Apr 24, 2015	0.543247
Apr 27, 2015	May 22, 2015	0.535146
May 26, 2015	Jun 24, 2015	0.527359
Jun 25, 2015		0.522378

1A21 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A21 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.828003
Feb 25, 2013	Mar 22, 2013	0.811745
Mar 25, 2013	Apr 24, 2013	0.801651
Apr 25, 2013	May 24, 2013	0.789449
May 28, 2013	Jun 24, 2013	0.770863
Jun 25, 2013	Jul 24, 2013	0.758887
Jul 25, 2013	Aug 23, 2013	0.741678
Aug 26, 2013	Sep 24, 2013	0.719681
Sep 25, 2013	Oct 24, 2013	0.702870
Oct 25, 2013	Nov 22, 2013	0.692825
Nov 25, 2013	Dec 24, 2013	0.682401
Dec 26, 2013	Jan 24, 2014	0.671088
Jan 27, 2014	Feb 24, 2014	0.661662
Feb 25, 2014	Mar 24, 2014	0.652926
Mar 25, 2014	Apr 24, 2014	0.646705
Apr 25, 2014	May 23, 2014	0.635837
May 27, 2014	Jun 24, 2014	0.624192
Jun 25, 2014	Jul 24, 2014	0.614382
Jul 25, 2014	Aug 22, 2014	0.604954
Aug 25, 2014	Sep 24, 2014	0.596497
Sep 25, 2014	Oct 24, 2014	0.586167
Oct 27, 2014	Nov 24, 2014	0.582368
Nov 25, 2014	Dec 24, 2014	0.572035
Dec 26, 2014	Jan 23, 2015	0.563199
Jan 26, 2015	Feb 24, 2015	0.554479
Feb 25, 2015	Mar 24, 2015	0.546361
Mar 25, 2015	Apr 24, 2015	0.543247
Apr 27, 2015	May 22, 2015	0.535147
May 26, 2015	Jun 24, 2015	0.527359
Jun 25, 2015		0.522378

1A22 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	0.986381
May 01, 2008	May 30, 2008	0.972762
Jun 02, 2008	Jun 30, 2008	0.959143
Jul 01, 2008	Jul 31, 2008	0.945524
Aug 01, 2008	Aug 29, 2008	0.931905
Sep 02, 2008	Sep 30, 2008	0.918286
Oct 01, 2008	Oct 31, 2008	0.911635
Nov 03, 2008	Nov 28, 2008	0.898016
Dec 01, 2008	Dec 31, 2008	0.885557
Jan 02, 2009	Jan 30, 2009	0.871938
Feb 02, 2009	Feb 27, 2009	0.858320
Mar 02, 2009	Mar 31, 2009	0.844701
Apr 01, 2009	Apr 30, 2009	0.831082
May 01, 2009	May 29, 2009	0.817463
Jun 01, 2009	Jun 30, 2009	0.803844
Jul 01, 2009	Jul 31, 2009	0.790225
Aug 03, 2009	Aug 31, 2009	0.776606
Sep 01, 2009	Sep 30, 2009	0.762987
Oct 01, 2009	Oct 30, 2009	0.749368
Nov 02, 2009	Nov 30, 2009	0.735749
Dec 01, 2009	Dec 31, 2009	0.722130
Jan 04, 2010	Jan 29, 2010	0.708511
Feb 01, 2010	Feb 26, 2010	0.694892
Mar 01, 2010	Mar 31, 2010	0.681274
Apr 01, 2010	Apr 30, 2010	0.667655
May 03, 2010	May 28, 2010	0.654036
Jun 01, 2010	Jun 30, 2010	0.640417
Jul 01, 2010	Jul 30, 2010	0.626798
Aug 02, 2010	Aug 31, 2010	0.613179
Sep 01, 2010	Sep 30, 2010	0.599560
Oct 01, 2010	Oct 29, 2010	0.585941
Nov 01, 2010 Dec 01, 2010	Nov 30, 2010	0.572322
Jan 03, 2011	Dec 31, 2010	0.558703
Feb 01, 2011	Jan 31, 2011 Feb 28, 2011	0.545084
Mar 01, 2011	Mar 31, 2011	0.531465
Apr 01, 2011	Apr 29, 2011	0.517846
May 02, 2011	May 31, 2011	0.504228
Jun 01, 2011	Jun 30, 2011	0.490609
Jul 01, 2011	Jul 29, 2011	0.476990
Aug 01, 2011	Aug 31, 2011	0.449752
<u> </u>	J - ,	0.443732

1A22 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.436133
Oct 03, 2011	Oct 31, 2011	0.422514
Nov 01, 2011	Nov 30, 2011	0.408895
Dec 01, 2011	Dec 30, 2011	0.395276
Jan 03, 2012	Jan 31, 2012	0.387796
Feb 01, 2012	Feb 29, 2012	0.383171
Mar 01, 2012	Mar 30, 2012	0.380671
Apr 02, 2012	Apr 30, 2012	0.374693
May 01, 2012	May 31, 2012	0.367626
Jun 01, 2012	Jun 29, 2012	0.363790
Jul 02, 2012	Jul 31, 2012	0.357917
Aug 01, 2012	Aug 31, 2012	0.352436
Sep 04, 2012	Sep 28, 2012	0.346745
Oct 01, 2012	Oct 31, 2012	0.339114
Nov 01, 2012	Nov 30, 2012	0.335287
Dec 03, 2012	Dec 31, 2012	0.331966
Jan 02, 2013	Jan 31, 2013	0.327290
Feb 01, 2013 Mar 01, 2013	Feb 28, 2013 Mar 29, 2013	0.320864
Apr 01, 2013	Apr 30, 2013	0.316873
May 01, 2013	May 31, 2013	0.312050
Jun 03, 2013	Jun 28, 2013	0.304704
Jul 01, 2013	Jul 31, 2013	0.299970
Aug 01, 2013	Aug 30, 2013	0.293168
Sep 03, 2013	Sep 30, 2013	0.284473
Oct 01, 2013	Oct 31, 2013	0.277828 0.273857
Nov 01, 2013	Nov 29, 2013	0.269737
Dec 02, 2013	Dec 31, 2013	0.265265
Jan 02, 2014	Jan 31, 2014	0.261539
Feb 03, 2014	Feb 28, 2014	0.258086
Mar 03, 2014	Mar 31, 2014	0.255627
Apr 01, 2014	Apr 30, 2014	0.251331
May 01, 2014	May 30, 2014	0.246728
Jun 02, 2014	Jun 30, 2014	0.242850
Jul 01, 2014	Jul 31, 2014	0.239124
Aug 01, 2014	Aug 29, 2014	0.235781
Sep 02, 2014	Sep 30, 2014	0.231698
Oct 01, 2014	Oct 31, 2014	0.230196
Nov 03, 2014	Nov 28, 2014	0.226112
Dec 01, 2014	Dec 31, 2014	0.222619
Jan 02, 2015	Jan 30, 2015	0.219172
Feb 02, 2015	Feb 27, 2015	0.215963
Mar 02, 2015	Mar 31, 2015	0.214733
Apr 01, 2015	Apr 30, 2015	0.211531
May 01, 2015	May 29, 2015	0.208452
Jun 01, 2015		0.206484

1A23 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011 Mar 01, 2011	Feb 28, 2011 Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000
		0.988112

1A23 Certificate Writedown Free Factor Chart

Sep 01, 2011 Sep 30, 2011 0.976225 Oct 03, 2011 Oct 31, 2011 0.964337 Nov 01, 2011 Nov 30, 2011 0.952449 Dec 01, 2011 Dec 30, 2011 0.940562 Jan 03, 2012 Jan 31, 2012 0.922761 Feb 01, 2012 Feb 29, 2012 0.911757 Mar 01, 2012 Mar 30, 2012 0.905808 Apr 02, 2012 Apr 30, 2012 0.891583 May 01, 2012 May 31, 2012 0.874767 Jun 01, 2012 Jun 29, 2012 0.865639 Jul 02, 2012 Jul 31, 2012 0.851664 Aug 01, 2012 Aug 31, 2012 0.838624 Sep 04, 2012 Sep 28, 2012 0.825082 Oct 01, 2012 Oct 31, 2012 0.806923 Nov 01, 2012 Nov 30, 2012 0.797816 Dec 03, 2012 Dec 31, 2012 0.789915 Jan 02, 2013 Jan 31, 2013 0.778788 Feb 01, 2013 Feb 28, 2013 0.763497 Mar 01, 2013 Mar 29, 2013 0.742526 May 01, 2013 <t< th=""><th><u>From</u></th><th><u>To</u></th><th>Writedown Free Factor</th></t<>	<u>From</u>	<u>To</u>	Writedown Free Factor
Nov 01, 2011 Nov 30, 2011 0,952449 Dec 01, 2011 Dec 30, 2011 0,940562 Jan 03, 2012 Jan 31, 2012 0,922761 Feb 01, 2012 Feb 29, 2012 0,911757 Mar 01, 2012 Mar 30, 2012 0,905808 Apr 02, 2012 Apr 30, 2012 0,891583 May 01, 2012 Jun 29, 2012 0,851664 Aug 01, 2012 Jun 29, 2012 0,855639 Jul 02, 2012 Aug 31, 2012 0,835664 Aug 01, 2012 Aug 31, 2012 0,836623 Jul 02, 2012 Jul 31, 2012 0,825082 Oct 01, 2012 Oct 31, 2012 0,806923 Nov 01, 2012 Nov 30, 2012 0,797816 Dec 03, 2012 Dec 31, 2012 0,789915 Jan 02, 2013 Jan 31, 2013 0,778788 Feb 01, 2013 Feb 28, 2013 0,763497 Mar 01, 2013 Mar 29, 2013 0,754002 Apr 01, 2013 Mar 29, 2013 0,742526 May 01, 2013 Mar 31, 2013 0,773780 Jul 01, 2013 Mar 30, 2013 0,742526 May 01, 2013 Jul 31, 2013 0,735405 Jun 03, 2013 Jul 31, 2013 0,73580 Jul 01, 2013 Jul 31, 2013 0,73580 Jul 01, 2013 Jul 31, 2013 0,754002 Apr 01, 2013 Mar 30, 2013 0,742526 May 01, 2013 Mar 30, 2013 0,742526 May 01, 2013 Mar 30, 2013 0,742526 Jun 03, 2013 Jul 28, 2013 0,754002 Apr 01, 2013 Aug 30, 2013 0,661092 Oct 01, 2013 Nov 29, 2013 0,661092 Oct 01, 2014 Jan 31, 2014 0,622334 Feb 03, 2014 Feb 28, 2014 0,614117 Mar 03, 2014 Mar 31, 2014 0,68266 Apr 01, 2014 Apr 30, 2014 0,587091 Jun 02, 2014 Jun 30, 2014 0,587091 Jun 02, 2014 Dec 31, 2014 0,587091 Jun 02, 2015 Jan 30, 2015 0,53838 Mar 02, 2015 Mar 31, 2015 0,59338 Mar 01, 2015 Mar 31, 2015 0,59338 Mar 02, 2015 Mar 31, 2015 0,59338 Mar 02, 2015 Mar 31, 2015 0,59338 Mar 01, 2015 Mar 31, 2015 0,59338 Mar 02, 2015 Mar 31, 2015 0,59338 Mar 01, 2015 Mar 32, 2015 0,59338 Mar 02, 2015 Mar 31, 2015 0,59338 Mar 01, 2015 Mar 31, 2015 0,59338 Mar 01, 2015 Mar 31, 2015 0,59338 Mar 01, 2015	Sep 01, 2011	Sep 30, 2011	0.976225
Dec 01, 2011 Dec 30, 2011 0,940562 Jan 03, 2012 Jan 31, 2012 0,922761 Feb 01, 2012 Feb 29, 2012 0,911757 Mar 01, 2012 Mar 30, 2012 0,905808 Apr 02, 2012 Apr 30, 2012 0,891583 May 01, 2012 Jun 29, 2012 0,865639 Jul 02, 2012 Jul 31, 2012 0,851664 Aug 01, 2012 Aug 31, 2012 0,838624 Sep 04, 2012 Sep 28, 2012 0,825082 Oct 01, 2012 Nov 30, 2012 0,797816 Dec 03, 2012 Dec 31, 2012 0,797816 Dec 03, 2012 Dec 31, 2012 0,789915 Jan 02, 2013 Jan 31, 2013 0,778788 Feb 01, 2013 Feb 28, 2013 0,754002 Apr 01, 2013 Mar 29, 2013 0,754002 Apr 01, 2013 Mar 29, 2013 0,742526 May 01, 2013 Jun 28, 2013 0,742526 May 01, 2013 Jun 28, 2013 0,737878 Jul 01, 2013 Jun 28, 2013 0,73780 Jul 01, 2013 Jun 28, 2013 0,6676905 Sep 03, 2013 Sep 30, 2013 0,661092 Oct 01, 2013 Nov 29, 2013 0,641841 Dec 02, 2013 Dec 31, 2014 0,622334 Feb 03, 2014 Jan 31, 2014 0,622334 Feb 03, 2014 Mar 31, 2014 0,598044 May 01, 2014 Jan 31, 2014 0,598044 May 01, 2014 Jun 30, 2014 0,577864 Jul 02, 2014 Jun 30, 2014 0,577864 Jul 02, 2014 Sep 30, 2014 0,561043 Sep 02, 2014 Sep 30, 2014 0,551326 Oct 01, 2014 Dec 31, 2014 0,598044 May 01, 2014 Dec 31, 2014 0,598044 Dec 01, 2014 Dec 31, 2014 0,598044 Dec 01, 2014 Dec 31, 2014 0,5977864 Jul 02, 2014 Sep 30, 2014 0,551326 Oct 01, 2015 Mar 31, 2015 0,51386 Mar 02, 2015 Feb 27, 2015 0,51386 Mar 02, 2015 Mar 31, 2015 0,503338 May 01, 2015 May 29, 2015 0,496014	Oct 03, 2011	Oct 31, 2011	0.964337
Jan 03, 2012 Jan 31, 2012 0.922761 Feb 01, 2012 Feb 29, 2012 0.911757 Mar 01, 2012 Mar 30, 2012 0.905808 Apr 02, 2012 Apr 30, 2012 0.891583 May 01, 2012 May 31, 2012 0.874767 Jun 01, 2012 Jun 29, 2012 0.865639 Jul 02, 2012 Jul 31, 2012 0.851664 Aug 01, 2012 Aug 31, 2012 0.838624 Sep 04, 2012 Sep 28, 2012 0.825082 Oct 01, 2012 Nov 30, 2012 0.797816 Dec 03, 2012 Dec 31, 2012 0.789915 Jan 02, 2013 Jan 31, 2013 0.778788 Feb 01, 2013 Feb 28, 2013 0.763497 Mar 01, 2013 Mar 29, 2013 0.754002 Apr 01, 2013 Mar 29, 2013 0.742526 May 01, 2013 May 31, 2013 0.725045 Jun 03, 2013 Jun 28, 2013 0.713780 Jul 01, 2013 Jul 31, 2013 0.697594 Aug 01, 2013 Nov 29, 2013 0.661092 Oct 01, 2013 Nov 29, 2013 0.661092 Oct 01, 2013 Dec 31, 2014 0.622334 Feb 03, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.598044 May 01, 2014 Jun 30, 2014 0.598044 May 01, 2014 Dec 31, 2014 0.598044 Dec 01, 2014 Dec 31, 2015 0.51386 Mar 02, 2015 Feb 27, 2015 0.51386 Mar 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.593338 May 01, 2015 May 29, 2015 0.496014	Nov 01, 2011	Nov 30, 2011	0.952449
Feb 01, 2012 Feb 29, 2012 0.911757 Mar 01, 2012 Mar 30, 2012 0.905808 Apr 02, 2012 Apr 30, 2012 0.891583 May 01, 2012 Jun 29, 2012 0.865639 Jul 02, 2012 Jul 31, 2012 0.851664 Aug 01, 2012 Jul 31, 2012 0.838624 Sep 04, 2012 Sep 28, 2012 0.825082 Oct 01, 2012 Nov 30, 2012 0.797816 Dec 03, 2012 Dec 31, 2012 0.797816 Dec 03, 2012 Dec 31, 2013 0.763497 Mar 01, 2013 Mar 29, 2013 0.754002 Apr 01, 2013 May 31, 2013 0.725045 Jul 02, 2013 Jul 31, 2013 0.754002 Apr 01, 2013 May 31, 2013 0.725045 Jul 03, 2013 Jul 31, 2013 0.754002 Apr 01, 2013 May 31, 2013 0.725045 Jul 03, 2013 Jul 28, 2013 0.713780 Jul 01, 2013 May 31, 2013 0.725045 Jul 01, 2013 May 31, 2013 0.754002 Apr 01, 2013 May 31, 2013 0.755045 Jun 03, 2013 Jul 28, 2013 0.713780 Jul 01, 2013 Jul 31, 2013 0.697594 Aug 01, 2013 Aug 30, 2013 0.661092 Oct 01, 2013 Nov 29, 2013 0.651645 Nov 01, 2013 Nov 29, 2013 0.631199 Jan 02, 2014 Jan 31, 2014 0.602234 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.602266 Apr 01, 2014 Apr 30, 2014 0.598044 May 01, 2014 May 30, 2014 0.587091 Jun 02, 2014 Jun 30, 2014 0.598044 May 01, 2014 May 30, 2014 0.598044 May 01, 2014 May 30, 2014 0.568997 Aug 01, 2014 Aug 29, 2014 0.561043 Sep 02, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Dec 31, 2014 0.568997 Aug 01, 2014 Dec 31, 2014 0.52334 Dec 01, 2014 Dec 31, 2014 0.551326 Oct 01, 2015 Mar 31, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.59338 May 01, 2015 May 29, 2015 0.496014	Dec 01, 2011	Dec 30, 2011	0.940562
Mar 01, 2012 Mar 30, 2012 0.905808 Apr 02, 2012 Apr 30, 2012 0.891583 May 01, 2012 Jun 29, 2012 0.865639 Jul 02, 2012 Jul 31, 2012 0.851664 Aug 01, 2012 Jun 29, 2012 0.865639 Jul 02, 2012 Jul 31, 2012 0.836624 Sep 04, 2012 Sep 28, 2012 0.825082 Oct 01, 2012 Nov 30, 2012 0.797816 Dec 03, 2012 Dec 31, 2012 0.789915 Jan 02, 2013 Jan 31, 2013 0.778788 Feb 01, 2013 Feb 28, 2013 0.763497 Mar 01, 2013 Mar 29, 2013 0.742526 May 01, 2013 May 31, 2013 0.725045 Jun 03, 2013 Jun 28, 2013 0.738780 Jul 01, 2013 May 31, 2013 0.725045 Jun 03, 2013 Jun 28, 2013 0.713780 Jul 01, 2013 Jun 28, 2013 0.713780 Jul 01, 2013 Jun 28, 2013 0.713780 Jul 01, 2013 Jun 28, 2013 0.76905 Sep 03, 2013 Oct 31, 2013 0.697594 Aug 01, 2013 Aug 30, 2013 0.661092 Oct 01, 2013 Nov 29, 2013 0.661092 Oct 01, 2013 Nov 29, 2013 0.641841 Dec 02, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.608266 Apr 01, 2014 Apr 30, 2014 0.587091 Jun 02, 2014 Jun 30, 2014 0.598044 May 01, 2014 May 30, 2014 0.598044 May 01, 2014 May 30, 2014 0.568997 Aug 01, 2014 Apr 30, 2014 0.598044 Dec 01, 2014 Dec 31, 2014 0.568997 Aug 01, 2014 Dec 31, 2014 0.568997 Aug 01, 2014 Dec 31, 2014 0.551326 Oct 01, 2015 Apr 30, 2015 0.521521 Feb 02, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Mar 31, 2015 0.59338 May 01, 2015 May 29, 2015 0.496014	Jan 03, 2012	Jan 31, 2012	0.922761
Apr 02, 2012 Apr 30, 2012 0.891583 May 01, 2012 May 31, 2012 0.874767 Jun 01, 2012 Jun 29, 2012 0.865639 Jul 02, 2012 Jul 31, 2012 0.835664 Aug 01, 2012 Aug 31, 2012 0.833624 Sep 04, 2012 Sep 28, 2012 0.825082 Oct 01, 2012 Nov 30, 2012 0.797816 Dec 03, 2012 Dec 31, 2012 0.789915 Jan 02, 2013 Jan 31, 2013 0.778788 Feb 01, 2013 Feb 28, 2013 0.763497 Mar 01, 2013 Mar 29, 2013 0.754002 Apr 01, 2013 May 31, 2013 0.742526 May 01, 2013 May 31, 2013 0.725045 Jun 03, 2013 Jun 28, 2013 0.713780 Jul 01, 2013 May 31, 2013 0.79594 Aug 01, 2013 Jul 31, 2013 0.697594 Aug 01, 2013 Aug 30, 2013 0.661092 Oct 01, 2013 Nov 29, 2013 0.661092 Oct 01, 2013 Nov 29, 2013 0.631199 Jan 02, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 May 30, 2014 0.587091 Jun 02, 2014 Jul 31, 2014 0.692344 May 01, 2014 May 30, 2014 0.587091 Jun 02, 2014 Jun 30, 2014 0.589044 May 01, 2014 May 30, 2014 0.589091 Jun 02, 2014 Jun 30, 2014 0.587091 Jun 02, 2014 Jun 30, 2014 0.587091 Jun 02, 2014 Jun 30, 2014 0.598044 May 01, 2014 May 30, 2014 0.589097 Aug 01, 2014 Aug 29, 2014 0.561043 Sep 02, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.58997 Aug 01, 2014 Dec 31, 2014 0.58997 Aug 01, 2014 Dec 31, 2014 0.598044 Nov 03, 2014 Nov 28, 2014 0.51175 Nov 03, 2014 Sep 30, 2014 0.598044 Dec 01, 2014 Dec 31, 2014 0.599034 Dec 01, 2015 Mar 31, 2015 0.513866 Mar 02, 2015 Mar 31, 2015 0.513866 May 01, 2015 May 29, 2015 0.496014	Feb 01, 2012	Feb 29, 2012	0.911757
May 01, 2012 May 31, 2012 0.874767 Jun 01, 2012 Jun 29, 2012 0.865639 Jul 02, 2012 Jul 31, 2012 0.851664 Aug 01, 2012 Aug 31, 2012 0.838624 Sep 04, 2012 Sep 28, 2012 0.825082 Oct 01, 2012 Oct 31, 2012 0.806923 Nov 01, 2012 Nov 30, 2012 0.797816 Dec 03, 2012 Dec 31, 2012 0.789915 Jan 02, 2013 Jan 31, 2013 0.778788 Feb 01, 2013 Feb 28, 2013 0.763497 Mar 01, 2013 Mar 29, 2013 0.754002 Apr 01, 2013 Apr 30, 2013 0.742526 May 01, 2013 May 31, 2013 0.725045 Jun 03, 2013 Jun 28, 2013 0.713780 Jul 01, 2013 Jul 31, 2013 0.697594 Aug 01, 2013 Aug 30, 2013 0.676905 Sep 03, 2013 Sep 30, 2013 0.661092 Oct 01, 2013 Oct 31, 2013 0.651645 Nov 01, 2013 Nov 29, 2013 0.641841 Dec 02, 2014 <t< td=""><td>Mar 01, 2012</td><td>Mar 30, 2012</td><td>0.905808</td></t<>	Mar 01, 2012	Mar 30, 2012	0.905808
Jun 01, 2012 Jun 29, 2012 Jul 31, 2012 Aug 31, 2012 O.855664 Aug 01, 2012 Aug 31, 2012 O.838624 Sep 04, 2012 Sep 28, 2012 O.825082 Oct 01, 2012 Nov 30, 2012 Dec 31, 2012 Jan 02, 2013 Jan 31, 2013 Apr 30, 2013 Apr 30, 2013 Jul 01, 2013 Aug 31, 2013 Aug 31, 2013 Apr 30, 2013 Jul 01, 2013 Aug 31, 2013 Aug 30, 2013 Jul 01, 2013 Aug 30, 2013 Oct 31, 2013 Oct 31, 2013 Oct 31, 2013 Jul 02, 2014 Jul 03, 2014 Aug 30, 2013 Jul 04, 2014 Aug 30, 2015 Aug 30, 2016 Aug 30, 2016 Aug 30, 2016 Aug 30, 2013 Aug 30, 2013	Apr 02, 2012	Apr 30, 2012	0.891583
Jul 02, 2012 Jul 31, 2012 0.851664 Aug 01, 2012 Aug 31, 2012 0.838624 Sep 04, 2012 Sep 28, 2012 0.825082 Oct 01, 2012 Nov 30, 2012 0.797816 Dec 03, 2012 Dec 31, 2012 0.789915 Jan 02, 2013 Jan 31, 2013 0.75888 Feb 01, 2013 Feb 28, 2013 0.763497 Mar 01, 2013 Mar 29, 2013 0.742526 May 01, 2013 Jun 28, 2013 0.713780 Jul 01, 2013 Jul 31, 2013 0.725045 Jun 03, 2013 Jul 31, 2013 0.713780 Jul 01, 2013 Jul 31, 2013 0.697594 Aug 01, 2013 Aug 30, 2013 0.661092 Oct 01, 2013 Nov 29, 2013 0.651645 Nov 01, 2013 Nov 29, 2013 0.641841 Dec 02, 2013 Dec 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.608266 Apr 01, 2014 Apr 30, 2014 0.589044 May 01, 2014 Apr 30, 2014 0.598044 May 01, 2014 Jun 30, 2014 0.598044 May 01, 2014 Jun 30, 2014 0.598044 May 01, 2014 Apr 30, 2014 0.598044 Apr 01, 2014 Apr 30, 2014 0.598097 Aug 01, 2014 Dec 31, 2014 0.598097 Aug 01, 2014 Apr 30, 2014 0.598097 Aug 01, 2015 Apr 30, 2015 0.513886 Mar 02, 2015 Apr 30, 2015 0.59338 May 01, 2015 May 29, 2015 0.496014	May 01, 2012	May 31, 2012	0.874767
Aug 01, 2012 Aug 31, 2012 0.838624 Sep 04, 2012 Sep 28, 2012 0.825082 Oct 01, 2012 Nov 30, 2012 0.797816 Dec 03, 2012 Dec 31, 2012 0.789915 Jan 02, 2013 Jan 31, 2013 0.763497 Mar 01, 2013 Mar 29, 2013 0.742526 May 01, 2013 Jun 28, 2013 0.725045 Jun 03, 2013 Jul 31, 2013 0.73780 Jul 01, 2013 Jul 31, 2013 0.725045 Jun 03, 2013 Jul 31, 2013 0.697594 Aug 01, 2013 Aug 30, 2013 0.661092 Oct 01, 2013 Nov 29, 2013 0.661092 Oct 01, 2013 Nov 29, 2013 0.6614841 Dec 02, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 May 30, 2014 0.587091 Jun 02, 2014 Jun 31, 2014 0.588097 Aug 01, 2014 May 30, 2014 0.587091 Jun 02, 2014 Jun 30, 2014 0.589044 May 01, 2014 May 30, 2014 0.589044 May 01, 2014 May 30, 2014 0.58907 Jun 02, 2014 Jun 30, 2014 0.598044 May 01, 2014 Aug 29, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.58907 Aug 01, 2014 Aug 29, 2014 0.551326 Oct 01, 2014 Dec 31, 2014 0.598044 May 01, 2014 Dec 31, 2014 0.598044 Dec 01, 2014 Dec 31, 2014 0.598097 Aug 01, 2015 Aug 20, 2015 0.59338 May 01, 2015 May 12, 2015 0.59338 May 01, 2015 May 29, 2015 0.496014	Jun 01, 2012	Jun 29, 2012	0.865639
Sep 04, 2012 Sep 28, 2012 0.825082 Oct 01, 2012 Oct 31, 2012 0.806923 Nov 01, 2012 Nov 30, 2012 0.797816 Dec 03, 2012 Dec 31, 2012 0.789915 Jan 02, 2013 Jan 31, 2013 0.778788 Feb 01, 2013 Feb 28, 2013 0.763497 Mar 01, 2013 Mar 29, 2013 0.754002 Apr 01, 2013 Apr 30, 2013 0.742526 May 01, 2013 May 31, 2013 0.725045 Jun 03, 2013 Jun 28, 2013 0.713780 Jul 01, 2013 Jul 31, 2013 0.697594 Aug 01, 2013 Aug 30, 2013 0.676905 Sep 03, 2013 Sep 30, 2013 0.661092 Oct 01, 2013 Oct 31, 2013 0.661092 Oct 01, 2013 Nov 29, 2013 0.641841 Dec 02, 2013 Dec 31, 2013 0.631199 Jan 02, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.608266 Apr 01, 2014 <t< td=""><td>Jul 02, 2012</td><td>Jul 31, 2012</td><td>0.851664</td></t<>	Jul 02, 2012	Jul 31, 2012	0.851664
Oct 01, 2012 Oct 31, 2012 0.806923 Nov 01, 2012 Nov 30, 2012 0.797816 Dec 03, 2012 Dec 31, 2012 0.789915 Jan 02, 2013 Jan 31, 2013 0.778788 Feb 01, 2013 Feb 28, 2013 0.763497 Mar 01, 2013 Mar 29, 2013 0.754002 Apr 01, 2013 May 31, 2013 0.725045 Jun 03, 2013 Jun 28, 2013 0.713780 Jul 01, 2013 Jul 31, 2013 0.697594 Aug 01, 2013 Aug 30, 2013 0.676905 Sep 03, 2013 Sep 30, 2013 0.661092 Oct 01, 2013 Nov 29, 2013 0.641841 Dec 02, 2013 Dec 31, 2013 0.631199 Jan 02, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.598044 May 01, 2014 May 30, 2014 0.598044 May 01, 2014 Jun 30, 2014 0.598044 May 01, 2014 Jun 30, 2014 0.587091 Jun 02, 2014 Jun 30, 2014 0.587091 Jun 02, 2014 Jun 30, 2014 0.587091 Jun 02, 2014 Jun 30, 2014 0.568997 Aug 01, 2014 Aug 29, 2014 0.561043 Sep 02, 2014 Sep 30, 2014 0.538034 Dec 01, 2014 Dec 31, 2014 0.598034 Dec 01, 2014 Dec 31, 2014 0.598034 Dec 01, 2014 Dec 31, 2014 0.598034 Dec 01, 2014 Dec 31, 2014 0.59723 Jan 02, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	Aug 01, 2012	Aug 31, 2012	0.838624
Nov 01, 2012 Nov 30, 2012 0.797816 Dec 03, 2012 Dec 31, 2012 0.789915 Jan 02, 2013 Jan 31, 2013 0.778788 Feb 01, 2013 Feb 28, 2013 0.763497 Mar 01, 2013 Mar 29, 2013 0.754002 Apr 01, 2013 Apr 30, 2013 0.742526 May 01, 2013 Jun 28, 2013 0.725045 Jun 03, 2013 Jun 28, 2013 0.713780 Jul 01, 2013 Jul 31, 2013 0.697594 Aug 01, 2013 Aug 30, 2013 0.676905 Sep 03, 2013 Sep 30, 2013 0.661092 Oct 01, 2013 Oct 31, 2013 0.651645 Nov 01, 2013 Nov 29, 2013 0.641841 Dec 02, 2013 Dec 31, 2013 0.631199 Jan 02, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.598044 May 01, 2014 Apr 30, 2014 0.598044 May 01, 2014 Jun 30, 2014 0.598044 May 01, 2014 Jun 30, 2014 0.577864 Jul 01, 2014 Jun 30, 2014 0.568997 Aug 01, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Dec 31, 2014 0.598034 Dec 02, 2014 Dec 31, 2014 0.551326 Oct 01, 2014 Dec 31, 2014 0.598034 Dec 01, 2014 Dec 31, 2014 0.598034 Dec 01, 2014 Dec 31, 2014 0.598034 Dec 01, 2014 Dec 31, 2014 0.59723 Jan 02, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	Sep 04, 2012	Sep 28, 2012	0.825082
Dec 03, 2012 Dec 31, 2012 0.789915 Jan 02, 2013 Jan 31, 2013 0.778788 Feb 01, 2013 Feb 28, 2013 0.763497 Mar 01, 2013 Mar 29, 2013 0.754002 Apr 01, 2013 Apr 30, 2013 0.742526 May 01, 2013 Jun 28, 2013 0.713780 Jul 01, 2013 Jul 31, 2013 0.697594 Aug 01, 2013 Aug 30, 2013 0.676905 Sep 03, 2013 Sep 30, 2013 0.661092 Oct 01, 2013 Nov 29, 2013 0.651645 Nov 01, 2013 Nov 29, 2013 0.631199 Jan 02, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.698266 Apr 01, 2014 May 30, 2014 0.598044 May 01, 2014 Jun 30, 2014 0.598044 May 01, 2014 Jun 30, 2014 0.577864 Jul 01, 2014 Aug 29, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.568997 Aug 01, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.598034 Dec 02, 2014 Dec 31, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.598034 Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.503338 May 01, 2015 Mar 31, 2015 0.503338 May 01, 2015 Mar 31, 2015 0.503338 May 01, 2015 Mar 39, 2015 0.496014	Oct 01, 2012	Oct 31, 2012	0.806923
Jan 02, 2013 Jan 31, 2013 0.778788 Feb 01, 2013 Feb 28, 2013 0.763497 Mar 01, 2013 Mar 29, 2013 0.754002 Apr 01, 2013 Apr 30, 2013 0.742526 May 01, 2013 Jun 28, 2013 0.713780 Jul 01, 2013 Jul 31, 2013 0.697594 Aug 01, 2013 Aug 30, 2013 0.676905 Sep 03, 2013 Sep 30, 2013 0.661092 Oct 01, 2013 Nov 29, 2013 0.651645 Nov 01, 2013 Dec 31, 2013 0.631199 Jan 02, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.698266 Apr 01, 2014 May 30, 2014 0.598044 May 01, 2014 Jun 30, 2014 0.598044 May 01, 2014 Jun 30, 2014 0.561043 Sep 02, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.568997 Aug 01, 2014 Aug 29, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.598034 Dec 01, 2014 Dec 31, 2014 0.51326 Oct 01, 2014 Dec 31, 2014 0.598034 Dec 01, 2014 Dec 31, 2014 0.538034 Dec 01, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.503338 May 01, 2015 Mar 31, 2015 0.503338 May 01, 2015 Mar 31, 2015 0.503338 May 01, 2015 Mar 20, 2015 0.496014	Nov 01, 2012	Nov 30, 2012	0.797816
Feb 01, 2013 Feb 28, 2013 0.763497 Mar 01, 2013 Mar 29, 2013 0.754002 Apr 01, 2013 Apr 30, 2013 0.742526 May 01, 2013 May 31, 2013 0.725045 Jun 03, 2013 Jun 28, 2013 0.713780 Jul 01, 2013 Aug 30, 2013 0.697594 Aug 01, 2013 Aug 30, 2013 0.676905 Sep 03, 2013 Sep 30, 2013 0.661092 Oct 01, 2013 Nov 29, 2013 0.641841 Dec 02, 2013 Dec 31, 2013 0.631199 Jan 02, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.598044 May 01, 2014 May 30, 2014 0.598044 May 01, 2014 Jun 30, 2014 0.587091 Jun 02, 2014 Jun 30, 2014 0.568997 Aug 01, 2014 Aug 29, 2014 0.551326 Oct 01, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Dec 31, 2014 0.551326 Oct 01, 2014 Dec 31, 2014 0.551326 Oct 01, 2014 Dec 31, 2014 0.598034 Dec 01, 2014 Dec 31, 2014 0.598034 Dec 01, 2014 Dec 31, 2014 0.551326 Oct 01, 2014 Dec 31, 2014 0.598034 Dec 01, 2014 Dec 31, 2014 0.598034 Dec 01, 2014 Dec 31, 2014 0.598034 Dec 01, 2015 Jan 30, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	Dec 03, 2012	Dec 31, 2012	0.789915
Mar 01, 2013	Jan 02, 2013	Jan 31, 2013	0.778788
Apr 01, 2013	Feb 01, 2013	Feb 28, 2013	0.763497
May 01, 2013	Mar 01, 2013	Mar 29, 2013	0.754002
Jun 03, 2013 Jun 28, 2013 0.713780 Jul 01, 2013 Jul 31, 2013 0.697594 Aug 01, 2013 Aug 30, 2013 0.676905 Sep 03, 2013 Oct 01, 2013 Nov 29, 2013 Jul 31, 2013 Oct 31, 2014 Oct 31, 2015 Oct 31, 2016	Apr 01, 2013	Apr 30, 2013	0.742526
Jul 01, 2013 Jul 31, 2013 0.697594 Aug 01, 2013 Aug 30, 2013 0.676905 Sep 03, 2013 Sep 30, 2013 0.661092 Oct 01, 2013 Oct 31, 2013 0.651645 Nov 01, 2013 Dec 31, 2013 0.631199 Jan 02, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.698266 Apr 01, 2014 May 30, 2014 0.598044 May 01, 2014 Jun 30, 2014 0.577864 Jul 01, 2014 Jul 31, 2014 0.568997 Aug 01, 2014 Sep 30, 2014 0.561043 Sep 02, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.547753 Nov 03, 2014 Dec 31, 2014 0.538034 Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Mar 31, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	May 01, 2013	May 31, 2013	0.725045
Aug 01, 2013	Jun 03, 2013	Jun 28, 2013	0.713780
Sep 03, 2013 Sep 30, 2013 0.661092 Oct 01, 2013 Oct 31, 2013 0.651645 Nov 01, 2013 Nov 29, 2013 0.641841 Dec 02, 2013 Dec 31, 2013 0.631199 Jan 02, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.608266 Apr 01, 2014 Apr 30, 2014 0.598044 May 01, 2014 May 30, 2014 0.587091 Jun 02, 2014 Jun 30, 2014 0.577864 Jul 01, 2014 Jul 31, 2014 0.568997 Aug 01, 2014 Aug 29, 2014 0.561043 Sep 02, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.547753 Nov 03, 2014 Nov 28, 2014 0.538034 Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.503338 May 01, 2015 <t< td=""><td>Jul 01, 2013</td><td>Jul 31, 2013</td><td>0.697594</td></t<>	Jul 01, 2013	Jul 31, 2013	0.697594
Oct 01, 2013 Oct 31, 2013 0.651645 Nov 01, 2013 Nov 29, 2013 0.641841 Dec 02, 2013 Dec 31, 2013 0.631199 Jan 02, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.608266 Apr 01, 2014 Apr 30, 2014 0.598044 May 01, 2014 Jun 30, 2014 0.587091 Jun 02, 2014 Jun 30, 2014 0.577864 Jul 01, 2014 Jul 31, 2014 0.568997 Aug 01, 2014 Aug 29, 2014 0.561043 Sep 02, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.547753 Nov 03, 2014 Dec 31, 2014 0.538034 Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	Aug 01, 2013	Aug 30, 2013	0.676905
Nov 01, 2013 Nov 29, 2013 0.641841 Dec 02, 2013 Dec 31, 2013 0.631199 Jan 02, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.598044 May 01, 2014 May 30, 2014 0.587091 Jun 02, 2014 Jun 30, 2014 0.577864 Jul 01, 2014 Jul 31, 2014 0.568997 Aug 01, 2014 Aug 29, 2014 0.561043 Sep 02, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.547753 Nov 03, 2014 Nov 28, 2014 0.538034 Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	Sep 03, 2013	Sep 30, 2013	0.661092
Dec 02, 2013 Dec 31, 2013 0.631199 Jan 02, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.598044 May 01, 2014 May 30, 2014 0.587091 Jun 02, 2014 Jun 30, 2014 0.568997 Aug 01, 2014 Aug 29, 2014 0.561043 Sep 02, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.547753 Nov 03, 2014 Dec 31, 2014 0.538034 Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Jan 30, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	Oct 01, 2013	Oct 31, 2013	0.651645
Jan 02, 2014 Jan 31, 2014 0.622334 Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.608266 Apr 01, 2014 Apr 30, 2014 0.598044 May 01, 2014 Jun 30, 2014 0.587091 Jun 02, 2014 Jul 31, 2014 0.568997 Aug 01, 2014 Aug 29, 2014 0.561043 Sep 02, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.547753 Nov 03, 2014 Nov 28, 2014 0.538034 Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	Nov 01, 2013	Nov 29, 2013	0.641841
Feb 03, 2014 Feb 28, 2014 0.614117 Mar 03, 2014 Mar 31, 2014 0.608266 Apr 01, 2014 Apr 30, 2014 0.598044 May 01, 2014 May 30, 2014 0.577864 Jul 01, 2014 Jul 31, 2014 0.568997 Aug 01, 2014 Aug 29, 2014 0.561043 Sep 02, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.547753 Nov 03, 2014 Nov 28, 2014 0.538034 Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Jan 30, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	Dec 02, 2013	Dec 31, 2013	0.631199
Mar 03, 2014	Jan 02, 2014	Jan 31, 2014	0.622334
Apr 01, 2014 Apr 30, 2014 0.598044 May 01, 2014 May 30, 2014 0.587091 Jun 02, 2014 Jun 30, 2014 0.577864 Jul 01, 2014 Jul 31, 2014 0.568997 Aug 01, 2014 Aug 29, 2014 0.561043 Sep 02, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.547753 Nov 03, 2014 Nov 28, 2014 0.538034 Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	Feb 03, 2014	Feb 28, 2014	0.614117
May 01, 2014 May 30, 2014 0.587091 Jun 02, 2014 Jun 30, 2014 0.577864 Jul 01, 2014 Jul 31, 2014 0.568997 Aug 01, 2014 Aug 29, 2014 0.561043 Sep 02, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.547753 Nov 03, 2014 Nov 28, 2014 0.538034 Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	Mar 03, 2014	Mar 31, 2014	0.608266
Jun 02, 2014 Jun 30, 2014 0.577864 Jul 01, 2014 Jul 31, 2014 0.568997 Aug 01, 2014 Aug 29, 2014 0.561043 Sep 02, 2014 Sep 30, 2014 0.547753 Nov 03, 2014 Nov 28, 2014 0.538034 Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	Apr 01, 2014	Apr 30, 2014	0.598044
Jul 01, 2014 Jul 31, 2014 0.568997 Aug 01, 2014 Aug 29, 2014 0.561043 Sep 02, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.547753 Nov 03, 2014 Nov 28, 2014 0.538034 Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.510957 Apr 01, 2015 Apr 30, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	May 01, 2014	May 30, 2014	0.587091
Aug 01, 2014 Aug 29, 2014 0.561043 Sep 02, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.547753 Nov 03, 2014 Nov 28, 2014 0.538034 Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	Jun 02, 2014	Jun 30, 2014	0.577864
Sep 02, 2014 Sep 30, 2014 0.551326 Oct 01, 2014 Oct 31, 2014 0.547753 Nov 03, 2014 Nov 28, 2014 0.538034 Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.510957 Apr 01, 2015 Apr 30, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	Jul 01, 2014	Jul 31, 2014	0.568997
Oct 01, 2014 Oct 31, 2014 0.547753 Nov 03, 2014 Nov 28, 2014 0.538034 Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.510957 Apr 01, 2015 Apr 30, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	Aug 01, 2014	Aug 29, 2014	0.561043
Nov 03, 2014 Nov 28, 2014 0.538034 Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.510957 Apr 01, 2015 Apr 30, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014	Sep 02, 2014	Sep 30, 2014	0.551326
Dec 01, 2014 Dec 31, 2014 0.529723 Jan 02, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.510957 Apr 01, 2015 Apr 30, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014		Oct 31, 2014	0.547753
Jan 02, 2015 Jan 30, 2015 0.521521 Feb 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.510957 Apr 01, 2015 Apr 30, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014			0.538034
Feb 02, 2015 Feb 27, 2015 0.513886 Mar 02, 2015 Mar 31, 2015 0.510957 Apr 01, 2015 Apr 30, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014			0.529723
Mar 02, 2015 Mar 31, 2015 0.510957 Apr 01, 2015 Apr 30, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014			0.521521
Apr 01, 2015 Apr 30, 2015 0.503338 May 01, 2015 May 29, 2015 0.496014			0.513886
May 01, 2015 May 29, 2015 0.496014			0.510957
lup 01 201F	-		0.503338
Jun 01, 2015 0.491329		May 29, 2015	0.496014
	Jun 01, 2015		0.491329

1A24 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.993496
Sep 04, 2007	Sep 28, 2007	0.980098
Oct 01, 2007	Oct 31, 2007	0.972100
Nov 01, 2007	Nov 30, 2007	0.967518
Dec 03, 2007	Dec 31, 2007	0.958037
Jan 02, 2008	Jan 31, 2008	0.946424
Feb 01, 2008	Feb 29, 2008	0.933759
Mar 03, 2008	Mar 31, 2008	0.922492
Apr 01, 2008	Apr 30, 2008	0.916451
May 01, 2008	May 30, 2008	0.909349
Jun 02, 2008	Jun 30, 2008	0.903290
Jul 01, 2008	Jul 31, 2008	0.893732
Aug 01, 2008	Aug 29, 2008	0.891858
Sep 02, 2008	Sep 30, 2008	0.889359
Oct 01, 2008	Oct 31, 2008	0.889348
Nov 03, 2008	Nov 28, 2008	0.879968
Dec 01, 2008	Dec 31, 2008	0.879956
Jan 02, 2009	Jan 30, 2009	0.876029
Feb 02, 2009	Feb 27, 2009	0.865727
Mar 02, 2009	Mar 31, 2009	0.843218
Apr 01, 2009	Apr 30, 2009	0.827879
May 01, 2009	May 29, 2009	0.798966
Jun 01, 2009	Jun 30, 2009	0.773263
Jul 01, 2009	Jul 31, 2009	0.751256
Aug 03, 2009	Aug 31, 2009	0.725084
Sep 01, 2009	Sep 30, 2009	0.718042
Oct 01, 2009	Oct 30, 2009	0.704304
Nov 02, 2009	Nov 30, 2009	0.695289
Dec 01, 2009	Dec 31, 2009	0.682262
Jan 04, 2010	Jan 29, 2010	0.665201
Feb 01, 2010	Feb 26, 2010	0.641690
Mar 01, 2010	Mar 31, 2010	0.635793
Apr 01, 2010	Apr 30, 2010	0.622648
May 03, 2010	May 28, 2010	0.613277
Jun 01, 2010	Jun 30, 2010	0.606080
Jul 01, 2010	Jul 30, 2010	0.588608
Aug 02, 2010	Aug 31, 2010	0.565121
Sep 01, 2010	Sep 30, 2010	0.545516
Oct 01, 2010	Oct 29, 2010	0.519757
Nov 01, 2010	Nov 30, 2010	0.493086
Dec 01, 2010	Dec 31, 2010	0.467304
Jan 03, 2011	Jan 31, 2011	0.438681
Feb 01, 2011	Feb 28, 2011	0.421055
Mar 01, 2011	Mar 31, 2011	0.408954
Apr 01, 2011	Apr 29, 2011	0.390525
May 02, 2011	May 31, 2011	0.384857
Jun 01, 2011	Jun 30, 2011	0.374332
Jul 01, 2011	Jul 29, 2011	0.363473
Aug 01, 2011	Aug 31, 2011	0.357490

1A24 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.343969
Oct 03, 2011	Oct 31, 2011	0.337063
Nov 01, 2011	Nov 30, 2011	0.334386
Dec 01, 2011	Dec 30, 2011	0.330888
Jan 03, 2012	Jan 31, 2012	0.324626
Feb 01, 2012	Feb 29, 2012	0.320755
Mar 01, 2012	Mar 30, 2012	0.318662
Apr 02, 2012	Apr 30, 2012	0.313658
May 01, 2012	May 31, 2012	0.307742
Jun 01, 2012	Jun 29, 2012	0.304531
Jul 02, 2012	Jul 31, 2012	0.299614
Aug 01, 2012	Aug 31, 2012	0.295027
Sep 04, 2012	Sep 28, 2012	0.290263
Oct 01, 2012	Oct 31, 2012	0.283874
Nov 01, 2012	Nov 30, 2012	0.280671
Dec 03, 2012	Dec 31, 2012	0.277891
Jan 02, 2013	Jan 31, 2013	0.273976
Feb 01, 2013	Feb 28, 2013	0.268597
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.265257
May 01, 2013	May 31, 2013	0.261219
Jun 03, 2013	Jun 28, 2013	0.255070
Jul 01, 2013	Jul 31, 2013	0.251107
Aug 01, 2013	Aug 30, 2013	0.245412
Sep 03, 2013	Sep 30, 2013	0.238134
Oct 01, 2013	Oct 31, 2013	0.232571 0.229248
Nov 01, 2013	Nov 29, 2013	0.225799
Dec 02, 2013	Dec 31, 2013	0.222055
Jan 02, 2014	Jan 31, 2014	0.218936
Feb 03, 2014	Feb 28, 2014	0.216045
Mar 03, 2014	Mar 31, 2014	0.213987
Apr 01, 2014	Apr 30, 2014	0.210391
May 01, 2014	May 30, 2014	0.206538
Jun 02, 2014	Jun 30, 2014	0.203292
Jul 01, 2014	Jul 31, 2014	0.200172
Aug 01, 2014	Aug 29, 2014	0.197374
Sep 02, 2014	Sep 30, 2014	0.193956
Oct 01, 2014	Oct 31, 2014	0.192699
Nov 03, 2014	Nov 28, 2014	0.189280
Dec 01, 2014	Dec 31, 2014	0.186356
Jan 02, 2015	Jan 30, 2015	0.183470
Feb 02, 2015	Feb 27, 2015	0.180784
Mar 02, 2015	Mar 31, 2015	0.179754
Apr 01, 2015	Apr 30, 2015	0.177074
May 01, 2015	May 29, 2015	0.174497
Jun 01, 2015		0.172849

1A25 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
		1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A25 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	1.000000
Feb 01, 2012	Feb 29, 2012	1.000000
Mar 01, 2012	Mar 30, 2012	1.000000
Apr 02, 2012	Apr 30, 2012	1.000000
May 01, 2012	May 31, 2012	1.000000
Jun 01, 2012	Jun 29, 2012	1.000000
Jul 02, 2012	Jul 31, 2012	1.000000
Aug 01, 2012	Aug 31, 2012	1.000000
Sep 04, 2012	Sep 28, 2012	1.000000
Oct 01, 2012	Oct 31, 2012	1.000000
Nov 01, 2012	Nov 30, 2012	1.000000
Dec 03, 2012	Dec 31, 2012	1.000000
Jan 02, 2013	Jan 31, 2013	1.000000
Feb 01, 2013	Feb 28, 2013	1.000000
Mar 01, 2013	Mar 29, 2013	1.000000
Apr 01, 2013	Apr 30, 2013	1.000000
May 01, 2013	May 31, 2013	1.000000
Jun 03, 2013	Jun 28, 2013	0.988493
Jul 01, 2013	Jul 31, 2013	0.966077
Aug 01, 2013	Aug 30, 2013	0.937426
Sep 03, 2013	Sep 30, 2013	0.915528
Oct 01, 2013	Oct 31, 2013	0.902444
Nov 01, 2013	Nov 29, 2013	0.888866
Dec 02, 2013	Dec 31, 2013	0.874130
Jan 02, 2014	Jan 31, 2014	0.861853
Feb 03, 2014	Feb 28, 2014	0.850473
Mar 03, 2014	Mar 31, 2014	0.842370
Apr 01, 2014	Apr 30, 2014	0.828214
May 01, 2014	May 30, 2014	0.813046
Jun 02, 2014	Jun 30, 2014	0.800267
Jul 01, 2014	Jul 31, 2014	0.787987
Aug 01, 2014	Aug 29, 2014	0.776972
Sep 02, 2014	Sep 30, 2014	0.763515
Oct 01, 2014	Oct 31, 2014	0.758568
Nov 03, 2014	Nov 28, 2014	0.745108
Dec 01, 2014	Dec 31, 2014	0.733598
Jan 02, 2015	Jan 30, 2015	0.722240
Feb 02, 2015	Feb 27, 2015	0.711666
Mar 02, 2015	Mar 31, 2015	0.707610
Apr 01, 2015	Apr 30, 2015	0.697059
May 01, 2015	May 29, 2015	0.686915
Jun 01, 2015		0.680427

1A26 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
	Sep 24, 2008	1.000000
Aug 25, 2008	· · · · · · · · · · · · · · · · · · ·	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A26 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.828003
Feb 25, 2013	Mar 22, 2013	0.811770
Mar 25, 2013	Apr 24, 2013	0.801690
Apr 25, 2013	May 24, 2013	0.789506
May 28, 2013	Jun 24, 2013	0.770948
Jun 25, 2013	Jul 24, 2013	0.758989
Jul 25, 2013	Aug 23, 2013	0.741804
Aug 26, 2013	Sep 24, 2013	0.719839
Sep 25, 2013	Oct 24, 2013	0.703052
Oct 25, 2013	Nov 22, 2013	0.693022
Nov 25, 2013	Dec 24, 2013	0.682612
Dec 26, 2013	Jan 24, 2014	0.671314
Jan 27, 2014	Feb 24, 2014	0.661902
Feb 25, 2014	Mar 24, 2014	0.653178
Mar 25, 2014	Apr 24, 2014	0.646966
Apr 25, 2014	May 23, 2014	0.636113
May 27, 2014	Jun 24, 2014	0.624484
Jun 25, 2014	Jul 24, 2014	0.614687
Jul 25, 2014	Aug 22, 2014	0.605272
Aug 25, 2014	Sep 24, 2014	0.596827
Sep 25, 2014	Oct 24, 2014	0.586511
Oct 27, 2014	Nov 24, 2014	0.582717
Nov 25, 2014	Dec 24, 2014	0.572399
Dec 26, 2014	Jan 23, 2015	0.563574
Jan 26, 2015	Feb 24, 2015	0.554866
Feb 25, 2015	Mar 24, 2015	0.546759
Mar 25, 2015	Apr 24, 2015	0.543650
Apr 27, 2015	May 22, 2015	0.535560
May 26, 2015	Jun 24, 2015	0.527783
Jun 25, 2015		0.522809

1A27 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A27 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.828003
Feb 25, 2013	Mar 22, 2013	0.811770
Mar 25, 2013 Apr 25, 2013	Apr 24, 2013 May 24, 2013	0.801690
May 28, 2013	Jun 24, 2013	0.789506
Jun 25, 2013	Jul 24, 2013	0.770948
Jul 25, 2013	Aug 23, 2013	0.758989
Aug 26, 2013	Sep 24, 2013	0.741804
Sep 25, 2013	Oct 24, 2013	0.719839
Oct 25, 2013	Nov 22, 2013	0.703052 0.693022
Nov 25, 2013	Dec 24, 2013	0.682612
Dec 26, 2013	Jan 24, 2014	0.671314
Jan 27, 2014	Feb 24, 2014	0.661902
Feb 25, 2014	Mar 24, 2014	0.653178
Mar 25, 2014	Apr 24, 2014	0.646966
Apr 25, 2014	May 23, 2014	0.636113
May 27, 2014	Jun 24, 2014	0.624484
Jun 25, 2014	Jul 24, 2014	0.614687
Jul 25, 2014	Aug 22, 2014	0.605272
Aug 25, 2014	Sep 24, 2014	0.596827
Sep 25, 2014	Oct 24, 2014	0.586511
Oct 27, 2014	Nov 24, 2014	0.582717
Nov 25, 2014	Dec 24, 2014	0.572399
Dec 26, 2014	Jan 23, 2015	0.563574
Jan 26, 2015	Feb 24, 2015	0.554866
Feb 25, 2015	Mar 24, 2015	0.546759
Mar 25, 2015	Apr 24, 2015	0.543650
Apr 27, 2015	May 22, 2015	0.535560
May 26, 2015	Jun 24, 2015	0.527783
Jun 25, 2015		0.522809

1A28 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011	Feb 24, 2011	0.689750
Feb 25, 2011	Mar 24, 2011	0.682508
Mar 25, 2011	Apr 22, 2011	0.674716
Apr 25, 2011	May 24, 2011	0.667134
May 25, 2011	Jun 24, 2011	0.662305
Jun 27, 2011	Jul 22, 2011	0.655648
Jul 25, 2011	Aug 24, 2011	0.645537
Aug 25, 2011	Sep 23, 2011	0.638723

1A28 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.563907
Sep 25, 2012	Oct 24, 2012	0.556317
Oct 25, 2012	Nov 23, 2012	0.551911
Nov 26, 2012	Dec 24, 2012	0.547652
Dec 26, 2012	Jan 24, 2013	0.545568
Jan 25, 2013	Feb 22, 2013	0.541841
Feb 25, 2013	Mar 22, 2013	0.528433
Mar 25, 2013	Apr 24, 2013	0.523155
Apr 25, 2013	May 24, 2013	0.516693
May 28, 2013	Jun 24, 2013	0.512713
Jun 25, 2013	Jul 24, 2013	0.508274
Jul 25, 2013	Aug 23, 2013	0.503269
Aug 26, 2013	Sep 24, 2013	0.495175
Sep 25, 2013	Oct 24, 2013	0.491644
Oct 25, 2013	Nov 22, 2013	0.485867
Nov 25, 2013	Dec 24, 2013	0.478611
Dec 26, 2013	Jan 24, 2014	0.474553
Jan 27, 2014	Feb 24, 2014	0.471447
Feb 25, 2014	Mar 24, 2014	0.468823
Mar 25, 2014	Apr 24, 2014	0.467726
Apr 25, 2014	May 23, 2014	0.463641
May 27, 2014	Jun 24, 2014	0.458372
Jun 25, 2014	Jul 24, 2014	0.451849
Jul 25, 2014	Aug 22, 2014	0.448138
Aug 25, 2014	Sep 24, 2014	0.444969
Sep 25, 2014	Oct 24, 2014	0.436484
Oct 27, 2014	Nov 24, 2014	0.435023
Nov 25, 2014	Dec 24, 2014	0.429263
Dec 26, 2014	Jan 23, 2015	0.424667
Jan 26, 2015	Feb 24, 2015	0.421850
Feb 25, 2015	Mar 24, 2015	0.419007
Mar 25, 2015	Apr 24, 2015	0.417392
Apr 27, 2015	May 22, 2015	0.412223
May 26, 2015	Jun 24, 2015	0.407700
Jun 25, 2015		0.406208

1A29 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	0.000000
Aug 27, 2007	Sep 24, 2007	0.000000
Sep 25, 2007	Oct 24, 2007	0.000000
Oct 25, 2007	Nov 23, 2007	0.000000
Nov 26, 2007	Dec 24, 2007	0.000000
Dec 26, 2007	Jan 24, 2008	0.000000
Jan 25, 2008	Feb 22, 2008	0.000000
Feb 25, 2008	Mar 24, 2008	0.000000
Mar 25, 2008	Apr 24, 2008	0.000000
Apr 25, 2008	May 23, 2008	0.000000
May 27, 2008	Jun 24, 2008	0.000000
Jun 25, 2008	Jul 24, 2008	0.000000
Jul 25, 2008	Aug 22, 2008	0.000000
Aug 25, 2008	Sep 24, 2008	0.000000
Sep 25, 2008	Oct 24, 2008	0.000000
Oct 27, 2008	Nov 24, 2008	0.000000
Nov 25, 2008	Dec 24, 2008	0.000000
Dec 26, 2008	Jan 23, 2009	0.000000
Jan 26, 2009	Feb 24, 2009	0.000000
Feb 25, 2009	Mar 24, 2009	0.000000
Mar 25, 2009	Apr 24, 2009	0.000000
Apr 27, 2009	May 22, 2009	0.000000
May 26, 2009	Jun 24, 2009	0.000000
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010 Sep 27, 2010	Sep 24, 2010 Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Aug 25, 2011	Sep 23, 2011	0.000000

1A29 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013 Mar 25, 2013	Mar 22, 2013 Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A30 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.995325
Sep 04, 2007	Sep 28, 2007	0.985689
Oct 01, 2007	Oct 31, 2007	0.979939
Nov 01, 2007	Nov 30, 2007	0.976648
Dec 03, 2007	Dec 31, 2007	0.969831
Jan 02, 2008	Jan 31, 2008	
Feb 01, 2008	Feb 29, 2008	0.961479
Mar 03, 2008	Mar 31, 2008	0.952370
Apr 01, 2008	Apr 30, 2008	0.944267
May 01, 2008	May 30, 2008	0.933052
Jun 02, 2008	Jun 30, 2008	0.921072
Jul 01, 2008	Jul 31, 2008	0.909843
	•	0.896096
Aug 01, 2008	Aug 29, 2008	0.887880
Sep 02, 2008	Sep 30, 2008	0.879213
Oct 01, 2008	Oct 31, 2008	0.875856
Nov 03, 2008	Nov 28, 2008	0.862236
Dec 01, 2008	Dec 31, 2008	0.855946
Jan 02, 2009	Jan 30, 2009	0.846252
Feb 02, 2009	Feb 27, 2009	0.831970
Mar 02, 2009	Mar 31, 2009	0.808901
Apr 01, 2009	Apr 30, 2009	0.790993
May 01, 2009	May 29, 2009	0.763315
Jun 01, 2009	Jun 30, 2009	0.737947
Jul 01, 2009	Jul 31, 2009	0.715240
Aug 03, 2009	Aug 31, 2009	0.689535
Sep 01, 2009	Sep 30, 2009	0.677599
Oct 01, 2009	Oct 30, 2009	0.660844
Nov 02, 2009	Nov 30, 2009	0.647488
Dec 01, 2009	Dec 31, 2009	0.631245
Jan 04, 2010	Jan 29, 2010	0.612098
Feb 01, 2010	Feb 26, 2010	0.588308
Mar 01, 2010	Mar 31, 2010	0.577197
Apr 01, 2010	Apr 30, 2010	0.560869
May 03, 2010	May 28, 2010	0.547257
Jun 01, 2010	Jun 30, 2010	0.535210
Jul 01, 2010	Jul 30, 2010	0.515767
Aug 02, 2010	Aug 31, 2010	0.491995
Sep 01, 2010	Sep 30, 2010	0.471018
Oct 01, 2010	Oct 29, 2010	0.445610
Nov 01, 2010	Nov 30, 2010	0.419547
Dec 01, 2010	Dec 31, 2010	0.394123
Jan 03, 2011	Jan 31, 2011	0.366655
Feb 01, 2011	Feb 28, 2011	0.347101
Mar 01, 2011	Mar 31, 2011	0.331525
Apr 01, 2011	Apr 29, 2011	0.311394
May 02, 2011	May 31, 2011	0.300448
Jun 01, 2011	Jun 30, 2011	0.286006
Jul 01, 2011	Jul 29, 2011	0.271324
Aug 01, 2011	Aug 31, 2011	0.257580

1A30 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.238410
Oct 03, 2011	Oct 31, 2011	0.224001
Nov 01, 2011	Nov 30, 2011	0.212636
Dec 01, 2011	Dec 30, 2011	0.200681
Jan 03, 2012	Jan 31, 2012	0.196884
Feb 01, 2012	Feb 29, 2012	0.194536
Mar 01, 2012	Mar 30, 2012	0.193266
Apr 02, 2012	Apr 30, 2012	0.190231
May 01, 2012	May 31, 2012	0.186643
Jun 01, 2012	Jun 29, 2012	0.184696
Jul 02, 2012	Jul 31, 2012	0.181714
Aug 01, 2012	Aug 31, 2012	0.178932
Sep 04, 2012	Sep 28, 2012	0.176042
Oct 01, 2012	Oct 31, 2012	0.172168
Nov 01, 2012	Nov 30, 2012	0.170225
Dec 03, 2012	Dec 31, 2012	0.168539
Jan 02, 2013	Jan 31, 2013	0.166165
Feb 01, 2013	Feb 28, 2013	0.162907
Mar 01, 2013	Mar 29, 2013	0.160884
Apr 01, 2013	Apr 30, 2013	0.158439
May 01, 2013	May 31, 2013	0.154715
Jun 03, 2013	Jun 28, 2013	0.152315
Jul 01, 2013	Jul 31, 2013	0.148866
Aug 01, 2013	Aug 30, 2013	0.144458
Sep 03, 2013	Sep 30, 2013	0.141089
Oct 01, 2013	Oct 31, 2013	0.139077
Nov 01, 2013	Nov 29, 2013	0.136988
Dec 02, 2013	Dec 31, 2013	0.134720
Jan 02, 2014	Jan 31, 2014	0.132832
Feb 03, 2014	Feb 28, 2014	0.131081
Mar 03, 2014	Mar 31, 2014	0.129834
Apr 01, 2014	Apr 30, 2014	0.127656
May 01, 2014	May 30, 2014	0.125322
Jun 02, 2014	Jun 30, 2014	0.123356
Jul 01, 2014	Jul 31, 2014	0.121467
Aug 01, 2014	Aug 29, 2014	0.119772
Sep 02, 2014	Sep 30, 2014	0.117702
Oct 01, 2014	Oct 31, 2014	0.116941
Nov 03, 2014	Nov 28, 2014	0.114870
Dec 01, 2014	Dec 31, 2014	0.113099
Jan 02, 2015	Jan 30, 2015	0.111351
Feb 02, 2015	Feb 27, 2015	0.109724
Mar 02, 2015	Mar 31, 2015	0.109100
Apr 01, 2015	Apr 30, 2015	0.107477
May 01, 2015	May 29, 2015	0.105916
Jun 01, 2015		0.104918

1A31 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
		1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A31 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.981075
Feb 01, 2012	Feb 29, 2012	0.969375
Mar 01, 2012	Mar 30, 2012	0.963050
Apr 02, 2012	Apr 30, 2012	0.947926
May 01, 2012	May 31, 2012	0.930048
Jun 01, 2012	Jun 29, 2012	0.920343
Jul 02, 2012	Jul 31, 2012	0.905485
Aug 01, 2012	Aug 31, 2012	0.891620
Sep 04, 2012	Sep 28, 2012	0.877222
Oct 01, 2012	Oct 31, 2012	0.857916
Nov 01, 2012	Nov 30, 2012	0.848234
Dec 03, 2012	Dec 31, 2012	0.839834
Jan 02, 2013	Jan 31, 2013	0.828003
Feb 01, 2013 Mar 01, 2013	Feb 28, 2013 Mar 29, 2013	0.811770
Apr 01, 2013	Apr 30, 2013	0.801690
May 01, 2013	May 31, 2013	0.789506
Jun 03, 2013	Jun 28, 2013	0.770948
Jul 01, 2013	Jul 31, 2013	0.758989
Aug 01, 2013	Aug 30, 2013	0.741804
Sep 03, 2013	Sep 30, 2013	0.703052
Oct 01, 2013	Oct 31, 2013	0.693022
Nov 01, 2013	Nov 29, 2013	0.682612
Dec 02, 2013	Dec 31, 2013	0.671314
Jan 02, 2014	Jan 31, 2014	0.661902
Feb 03, 2014	Feb 28, 2014	0.653178
Mar 03, 2014	Mar 31, 2014	0.646966
Apr 01, 2014	Apr 30, 2014	0.636113
May 01, 2014	May 30, 2014	0.624484
Jun 02, 2014	Jun 30, 2014	0.614687
Jul 01, 2014	Jul 31, 2014	0.605272
Aug 01, 2014	Aug 29, 2014	0.596827
Sep 02, 2014	Sep 30, 2014	0.586511
Oct 01, 2014	Oct 31, 2014	0.582717
Nov 03, 2014	Nov 28, 2014	0.572399
Dec 01, 2014	Dec 31, 2014	0.563574
Jan 02, 2015	Jan 30, 2015	0.554866
Feb 02, 2015	Feb 27, 2015	0.546759
Mar 02, 2015	Mar 31, 2015	0.543650
Apr 01, 2015	Apr 30, 2015	0.535560
May 01, 2015	May 29, 2015	0.527783
Jun 01, 2015		0.522809

1A32 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A32 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.981075
Feb 01, 2012	Feb 29, 2012	0.969375
Mar 01, 2012	Mar 30, 2012	0.963050
Apr 02, 2012	Apr 30, 2012	0.947926
May 01, 2012	May 31, 2012	0.930048
Jun 01, 2012	Jun 29, 2012	0.920343
Jul 02, 2012	Jul 31, 2012	0.905485
Aug 01, 2012	Aug 31, 2012	0.891620
Sep 04, 2012	Sep 28, 2012	0.877222
Oct 01, 2012	Oct 31, 2012	0.857916
Nov 01, 2012	Nov 30, 2012	0.848234
Dec 03, 2012	Dec 31, 2012	0.839834
Jan 02, 2013	Jan 31, 2013	0.828003
Feb 01, 2013	Feb 28, 2013	0.811770
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.801690
May 01, 2013	May 31, 2013	0.789506
Jun 03, 2013	Jun 28, 2013	0.770948
Jul 01, 2013	Jul 31, 2013	0.758989
Aug 01, 2013	Aug 30, 2013	0.741804
Sep 03, 2013	Sep 30, 2013	0.719839
Oct 01, 2013	Oct 31, 2013	0.703052 0.693022
Nov 01, 2013	Nov 29, 2013	0.682612
Dec 02, 2013	Dec 31, 2013	0.671314
Jan 02, 2014	Jan 31, 2014	0.661902
Feb 03, 2014	Feb 28, 2014	0.653178
Mar 03, 2014	Mar 31, 2014	0.646966
Apr 01, 2014	Apr 30, 2014	0.636113
May 01, 2014	May 30, 2014	0.624484
Jun 02, 2014	Jun 30, 2014	0.614687
Jul 01, 2014	Jul 31, 2014	0.605272
Aug 01, 2014	Aug 29, 2014	0.596827
Sep 02, 2014	Sep 30, 2014	0.586511
Oct 01, 2014	Oct 31, 2014	0.582717
Nov 03, 2014	Nov 28, 2014	0.572399
Dec 01, 2014	Dec 31, 2014	0.563574
Jan 02, 2015	Jan 30, 2015	0.554866
Feb 02, 2015	Feb 27, 2015	0.546759
Mar 02, 2015	Mar 31, 2015	0.543650
Apr 01, 2015	Apr 30, 2015	0.535560
May 01, 2015	May 29, 2015	0.527783
Jun 01, 2015		0.522809

1A33 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A33 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.981075
Feb 01, 2012	Feb 29, 2012	0.969375
Mar 01, 2012	Mar 30, 2012	0.963050
Apr 02, 2012	Apr 30, 2012	0.947926
May 01, 2012	May 31, 2012	0.930048
Jun 01, 2012	Jun 29, 2012	0.920343
Jul 02, 2012	Jul 31, 2012	0.905485
Aug 01, 2012	Aug 31, 2012	0.891620
Sep 04, 2012	Sep 28, 2012	0.877222
Oct 01, 2012	Oct 31, 2012	0.857916
Nov 01, 2012	Nov 30, 2012	0.848234
Dec 03, 2012	Dec 31, 2012	0.839834
Jan 02, 2013	Jan 31, 2013	0.828003
Feb 01, 2013	Feb 28, 2013	0.811770
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.801690
May 01, 2013	May 31, 2013	0.789506
Jun 03, 2013	Jun 28, 2013	0.770948
Jul 01, 2013	Jul 31, 2013	0.758989
Aug 01, 2013	Aug 30, 2013	0.741804
Sep 03, 2013	Sep 30, 2013	0.719839
Oct 01, 2013	Oct 31, 2013	0.703052 0.693022
Nov 01, 2013	Nov 29, 2013	0.682612
Dec 02, 2013	Dec 31, 2013	0.671314
Jan 02, 2014	Jan 31, 2014	0.661902
Feb 03, 2014	Feb 28, 2014	0.653178
Mar 03, 2014	Mar 31, 2014	0.646966
Apr 01, 2014	Apr 30, 2014	0.636113
May 01, 2014	May 30, 2014	0.624484
Jun 02, 2014	Jun 30, 2014	0.614687
Jul 01, 2014	Jul 31, 2014	0.605272
Aug 01, 2014	Aug 29, 2014	0.596827
Sep 02, 2014	Sep 30, 2014	0.586511
Oct 01, 2014	Oct 31, 2014	0.582717
Nov 03, 2014	Nov 28, 2014	0.572399
Dec 01, 2014	Dec 31, 2014	0.563574
Jan 02, 2015	Jan 30, 2015	0.554866
Feb 02, 2015	Feb 27, 2015	0.546759
Mar 02, 2015	Mar 31, 2015	0.543650
Apr 01, 2015	Apr 30, 2015	0.535560
May 01, 2015	May 29, 2015	0.527783
Jun 01, 2015		0.522809

1A34 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A34 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.981075
Feb 01, 2012	Feb 29, 2012	0.969375
Mar 01, 2012	Mar 30, 2012	0.963050
Apr 02, 2012	Apr 30, 2012	0.947926
May 01, 2012	May 31, 2012	0.930048
Jun 01, 2012	Jun 29, 2012	0.920343
Jul 02, 2012	Jul 31, 2012	0.905485
Aug 01, 2012	Aug 31, 2012	0.891620
Sep 04, 2012	Sep 28, 2012	0.877222
Oct 01, 2012	Oct 31, 2012	0.857916
Nov 01, 2012	Nov 30, 2012	0.848234
Dec 03, 2012	Dec 31, 2012	0.839834
Jan 02, 2013	Jan 31, 2013	0.828003
Feb 01, 2013	Feb 28, 2013	0.811770
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.801690
May 01, 2013	May 31, 2013	0.789506
Jun 03, 2013	Jun 28, 2013	0.770948
Jul 01, 2013	Jul 31, 2013	0.758989
Aug 01, 2013	Aug 30, 2013	0.741804
Sep 03, 2013	Sep 30, 2013	0.719839
Oct 01, 2013	Oct 31, 2013	0.703052 0.693022
Nov 01, 2013	Nov 29, 2013	0.682612
Dec 02, 2013	Dec 31, 2013	0.671314
Jan 02, 2014	Jan 31, 2014	0.661902
Feb 03, 2014	Feb 28, 2014	0.653178
Mar 03, 2014	Mar 31, 2014	0.646966
Apr 01, 2014	Apr 30, 2014	0.636113
May 01, 2014	May 30, 2014	0.624484
Jun 02, 2014	Jun 30, 2014	0.614687
Jul 01, 2014	Jul 31, 2014	0.605272
Aug 01, 2014	Aug 29, 2014	0.596827
Sep 02, 2014	Sep 30, 2014	0.586511
Oct 01, 2014	Oct 31, 2014	0.582717
Nov 03, 2014	Nov 28, 2014	0.572399
Dec 01, 2014	Dec 31, 2014	0.563574
Jan 02, 2015	Jan 30, 2015	0.554866
Feb 02, 2015	Feb 27, 2015	0.546759
Mar 02, 2015	Mar 31, 2015	0.543650
Apr 01, 2015	Apr 30, 2015	0.535560
May 01, 2015	May 29, 2015	0.527783
Jun 01, 2015		0.522809

1A35 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	0.942944
Aug 01, 2008	Aug 29, 2008	0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011 Mar 01, 2011	Feb 28, 2011 Mar 31, 2011	0.641475
Apr 01, 2011	Apr 29, 2011	0.632922
May 02, 2011	May 31, 2011	0.621867
Jun 01, 2011	Jun 30, 2011	0.615857
Jul 01, 2011	Jul 29, 2011	0.607926
Aug 01, 2011	Aug 31, 2011	0.599864
		0.592317

1A35 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540340
Apr 02, 2012	Apr 30, 2012	0.531855
May 01, 2012	May 31, 2012	0.521824
Jun 01, 2012	Jun 29, 2012	0.516379
Jul 02, 2012	Jul 31, 2012	0.508042
Aug 01, 2012	Aug 31, 2012	0.500263
Sep 04, 2012	Sep 28, 2012	0.492185
Oct 01, 2012	Oct 31, 2012	0.481353
Nov 01, 2012	Nov 30, 2012	0.475920
Dec 03, 2012	Dec 31, 2012	0.471207
Jan 02, 2013	Jan 31, 2013	0.464569
Feb 01, 2013	Feb 28, 2013	0.455448
Mar 01, 2013	Mar 29, 2013	0.449783
Apr 01, 2013	Apr 30, 2013	0.442937
May 01, 2013	May 31, 2013	0.432509
Jun 03, 2013	Jun 28, 2013	0.425789
Jul 01, 2013	Jul 31, 2013	0.416134
Aug 01, 2013	Aug 30, 2013	0.403792
Sep 03, 2013	Sep 30, 2013	0.394360
Oct 01, 2013	Oct 31, 2013	0.388724
Nov 01, 2013	Nov 29, 2013	0.382875
Dec 02, 2013	Dec 31, 2013	0.376527
Jan 02, 2014	Jan 31, 2014	0.371239
Feb 03, 2014	Feb 28, 2014	0.366337
Mar 03, 2014	Mar 31, 2014	0.362846
Apr 01, 2014	Apr 30, 2014	0.356749
May 01, 2014	May 30, 2014	0.350215
Jun 02, 2014	Jun 30, 2014	0.344710
Jul 01, 2014	Jul 31, 2014	0.339421
Aug 01, 2014	Aug 29, 2014	0.334676
Sep 02, 2014	Sep 30, 2014	0.328880
Oct 01, 2014	Oct 31, 2014	0.326748
Nov 03, 2014	Nov 28, 2014	0.320951
Dec 01, 2014	Dec 31, 2014	0.315993
Jan 02, 2015	Jan 30, 2015	0.311100
Feb 02, 2015	Feb 27, 2015	0.306545
Mar 02, 2015	Mar 31, 2015	0.304798
Apr 01, 2015	Apr 30, 2015	0.300253
May 01, 2015	May 29, 2015	0.295884
Jun 01, 2015		0.293089

1A36 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
	Sep 24, 2008	1.000000
Aug 25, 2008	· · · · · · · · · · · · · · · · · · ·	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A36 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.828003
Feb 25, 2013	Mar 22, 2013	0.811717
Mar 25, 2013	Apr 24, 2013	0.801578
Apr 25, 2013	May 24, 2013	0.789307
May 28, 2013	Jun 24, 2013	0.770571
Jun 25, 2013	Jul 24, 2013	0.758456
Jul 25, 2013	Aug 23, 2013	0.741013
Aug 26, 2013	Sep 24, 2013	0.718610
Sep 25, 2013	Oct 24, 2013	0.701447
Oct 25, 2013	Nov 22, 2013	0.691185
Nov 25, 2013	Dec 24, 2013	0.680531
Dec 26, 2013	Jan 24, 2014	0.668951
Jan 27, 2014	Feb 24, 2014	0.659289
Feb 25, 2014	Mar 24, 2014	0.650327
Mar 25, 2014	Apr 24, 2014	0.643946
Apr 25, 2014	May 23, 2014	0.632799
May 27, 2014	Jun 24, 2014	0.620856
Jun 25, 2014	Jul 24, 2014	0.610794
Jul 25, 2014	Aug 22, 2014	0.601127
Aug 25, 2014	Sep 24, 2014	0.592455
Sep 25, 2014	Oct 24, 2014	0.581863
Oct 27, 2014	Nov 24, 2014	0.577968
Nov 25, 2014	Dec 24, 2014	0.567374
Dec 26, 2014	Jan 23, 2015	0.558314
Jan 26, 2015	Feb 24, 2015	0.549373
Feb 25, 2015	Mar 24, 2015	0.541049
Mar 25, 2015	Apr 24, 2015	0.537857
Apr 27, 2015	May 22, 2015	0.529553
May 26, 2015	Jun 24, 2015	0.521570
Jun 25, 2015		0.516464

1A37 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A37 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.828003
Feb 25, 2013	Mar 22, 2013	0.811717
Mar 25, 2013	Apr 24, 2013	0.801578
Apr 25, 2013	May 24, 2013	0.789307
May 28, 2013	Jun 24, 2013	0.770571
Jun 25, 2013	Jul 24, 2013	0.758456
Jul 25, 2013	Aug 23, 2013	0.741013
Aug 26, 2013	Sep 24, 2013	0.718610
Sep 25, 2013	Oct 24, 2013	0.701447
Oct 25, 2013	Nov 22, 2013	0.691185
Nov 25, 2013	Dec 24, 2013	0.680531
Dec 26, 2013	Jan 24, 2014	0.668951
Jan 27, 2014	Feb 24, 2014	0.659289
Feb 25, 2014	Mar 24, 2014	0.650327
Mar 25, 2014	Apr 24, 2014	0.643946
Apr 25, 2014	May 23, 2014	0.632799
May 27, 2014	Jun 24, 2014	0.620856
Jun 25, 2014	Jul 24, 2014	0.610794
Jul 25, 2014	Aug 22, 2014	0.601127
Aug 25, 2014	Sep 24, 2014	0.592455
Sep 25, 2014	Oct 24, 2014	0.581863
Oct 27, 2014	Nov 24, 2014	0.577968
Nov 25, 2014	Dec 24, 2014	0.567374
Dec 26, 2014	Jan 23, 2015	0.558314
Jan 26, 2015	Feb 24, 2015	0.549373
Feb 25, 2015	Mar 24, 2015	0.541049
Mar 25, 2015	Apr 24, 2015	0.537857
Apr 27, 2015	May 22, 2015	0.529553
May 26, 2015	Jun 24, 2015	0.521570
Jun 25, 2015		0.516464

1A38 Certificate Writedown Free Factor Chart

То	Writedown Free Factor
Aug 24, 2007	1.000000
Sep 24, 2007	0.995466
Oct 24, 2007	0.989184
Nov 23, 2007	0.982623
Dec 24, 2007	0.979185
Jan 24, 2008	0.968923
Feb 22, 2008	0.962456
Mar 24, 2008	0.948636
Apr 24, 2008	0.941506
May 23, 2008	0.933406
Jun 24, 2008	0.930607
Jul 24, 2008	0.923816
Aug 22, 2008	0.915761
Sep 24, 2008	0.911826
Oct 24, 2008	0.905077
Nov 24, 2008	0.903658
Dec 24, 2008	0.899346
Jan 23, 2009	0.896944
Feb 24, 2009	0.893055
Mar 24, 2009	0.887255
Apr 24, 2009	0.878490
May 22, 2009	0.873477
Jun 24, 2009	
Jul 24, 2009	0.862872 0.854772
Aug 24, 2009	0.845720
Sep 24, 2009	
Oct 23, 2009	0.837527
Nov 24, 2009	0.833587 0.822105
Dec 24, 2009	0.820290
Jan 22, 2010	0.809519
Feb 24, 2010	0.801440
Mar 24, 2010	0.796434
Apr 23, 2010	0.793494
May 24, 2010	0.785632
Jun 24, 2010	0.765737
Jul 23, 2010	0.759198
Aug 24, 2010	0.749590
Sep 24, 2010	0.736920
Oct 22, 2010	0.729915
Nov 24, 2010	0.719992
Dec 23, 2010	0.707875
Jan 24, 2011	0.698537
Feb 24, 2011	0.689750
Mar 24, 2011	0.682508
Apr 22, 2011	0.674716
May 24, 2011	0.667134
Jun 24, 2011	0.662305
Jul 22, 2011	0.655648
Aug 24, 2011	0.645537
Sep 23, 2011	0.638723
	Aug 24, 2007 Sep 24, 2007 Oct 24, 2007 Nov 23, 2007 Dec 24, 2008 Feb 22, 2008 Mar 24, 2008 Apr 24, 2008 Jul 24, 2008 Jul 24, 2008 Aug 22, 2008 Sep 24, 2008 Oct 24, 2008 Oct 24, 2008 Oct 24, 2008 Jul 24, 2008 Dec 24, 2008 Oct 24, 2008 Jul 24, 2008 Aug 22, 2008 Sep 24, 2008 Dec 24, 2008 Jul 24, 2009 Mar 24, 2009 Mar 24, 2009 Mar 24, 2009 Apr 24, 2009 Jul 24, 2009 Aug 24, 2009 Sep 24, 2009 Oct 23, 2009 Oct 23, 2009 Dec 24, 2009 Jul 24, 2009 Dec 24, 2009 Jul 24, 2009 Aug 24, 2010 Aug 24, 2010 Mar 24, 2010 Apr 23, 2010 May 24, 2010 Jul 23, 2010 Aug 24, 2010 Dec 23, 2010 Jul 24, 2011 Jul 24, 2011 Apr 22, 2011 May 24, 2011 Jul 24, 2011

1A38 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.563907
Sep 25, 2012	Oct 24, 2012	0.556317
Oct 25, 2012	Nov 23, 2012	0.551911
Nov 26, 2012	Dec 24, 2012	0.547652
Dec 26, 2012	Jan 24, 2013	0.545568
Jan 25, 2013	Feb 22, 2013	0.541841
Feb 25, 2013	Mar 22, 2013	0.528433
Mar 25, 2013	Apr 24, 2013	0.523155
Apr 25, 2013	May 24, 2013	0.516693
May 28, 2013	Jun 24, 2013	0.512713
Jun 25, 2013	Jul 24, 2013	0.508274
Jul 25, 2013	Aug 23, 2013	0.503269
Aug 26, 2013	Sep 24, 2013	0.495175
Sep 25, 2013	Oct 24, 2013	0.491644
Oct 25, 2013	Nov 22, 2013	0.485867
Nov 25, 2013	Dec 24, 2013	0.478611
Dec 26, 2013	Jan 24, 2014	0.474553
Jan 27, 2014	Feb 24, 2014	0.471447
Feb 25, 2014	Mar 24, 2014	0.468823
Mar 25, 2014	Apr 24, 2014	0.467726
Apr 25, 2014	May 23, 2014	0.463641
May 27, 2014	Jun 24, 2014	0.458372
Jun 25, 2014	Jul 24, 2014	0.451849
Jul 25, 2014	Aug 22, 2014	0.448138
Aug 25, 2014	Sep 24, 2014	0.444969
Sep 25, 2014	Oct 24, 2014	0.436484
Oct 27, 2014	Nov 24, 2014	0.435023
Nov 25, 2014	Dec 24, 2014	0.429263
Dec 26, 2014	Jan 23, 2015	0.424667
Jan 26, 2015	Feb 24, 2015	0.421850
Feb 25, 2015	Mar 24, 2015	0.419007
Mar 25, 2015	Apr 24, 2015	0.417392
Apr 27, 2015	May 22, 2015	0.412223
May 26, 2015	Jun 24, 2015	0.407700
Jun 25, 2015		0.406208

1A39 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	0.000000
Aug 27, 2007	Sep 24, 2007	0.000000
Sep 25, 2007	Oct 24, 2007	0.000000
Oct 25, 2007	Nov 23, 2007	0.000000
Nov 26, 2007	Dec 24, 2007	0.000000
Dec 26, 2007	Jan 24, 2008	0.000000
Jan 25, 2008	Feb 22, 2008	0.000000
Feb 25, 2008	Mar 24, 2008	0.000000
Mar 25, 2008	Apr 24, 2008	0.000000
Apr 25, 2008	May 23, 2008	0.000000
May 27, 2008	Jun 24, 2008	0.000000
Jun 25, 2008	Jul 24, 2008	0.000000
Jul 25, 2008	Aug 22, 2008	0.000000
Aug 25, 2008	Sep 24, 2008	
Sep 25, 2008	Oct 24, 2008	0.000000
Oct 27, 2008	Nov 24, 2008	0.000000
Nov 25, 2008	Dec 24, 2008	0.000000
Dec 26, 2008	Jan 23, 2009	0.000000
Jan 26, 2009	Feb 24, 2009	0.000000
Feb 25, 2009	Mar 24, 2009	0.000000
Mar 25, 2009	Apr 24, 2009	0.000000
Apr 27, 2009	May 22, 2009	0.000000
May 26, 2009	Jun 24, 2009	0.000000
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Aug 25, 2011	Sep 23, 2011	0.000000

1A39 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013 Mar 25, 2013	Mar 22, 2013 Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A40 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	
Oct 25, 2007	Nov 23, 2007	0.989184
Nov 26, 2007	Dec 24, 2007	0.982623
Dec 26, 2007	Jan 24, 2008	0.979185
Jan 25, 2008	Feb 22, 2008	0.968923
Feb 25, 2008	Mar 24, 2008	0.962456
Mar 25, 2008	Apr 24, 2008	0.948636
Apr 25, 2008	May 23, 2008	0.941506
May 27, 2008	Jun 24, 2008	0.933406
		0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011	Feb 24, 2011	0.689750
Feb 25, 2011	Mar 24, 2011	0.682508
Mar 25, 2011	Apr 22, 2011	0.674716
Apr 25, 2011	May 24, 2011	0.667134
May 25, 2011	Jun 24, 2011	0.662305
Jun 27, 2011	Jul 22, 2011	0.655648
Jul 25, 2011	Aug 24, 2011	0.645537
Aug 25, 2011	Sep 23, 2011	0.638723

1A40 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.563907
Sep 25, 2012	Oct 24, 2012	0.563907
Oct 25, 2012	Nov 23, 2012	0.563907
Nov 26, 2012	Dec 24, 2012	0.563907
Dec 26, 2012	Jan 24, 2013	0.563907
Jan 25, 2013	Feb 22, 2013	0.563907
Feb 25, 2013	Mar 22, 2013	0.563907
Mar 25, 2013 Apr 25, 2013	Apr 24, 2013 May 24, 2013	0.563907
May 28, 2013	Jun 24, 2013	0.563907
Jun 25, 2013	Jul 24, 2013	0.563907
Jul 25, 2013	Aug 23, 2013	0.563907
Aug 26, 2013	Sep 24, 2013	0.563907
Sep 25, 2013	Oct 24, 2013	0.563907
Oct 25, 2013	Nov 22, 2013	0.563907 0.563907
Nov 25, 2013	Dec 24, 2013	0.563907
Dec 26, 2013	Jan 24, 2014	0.563907
Jan 27, 2014	Feb 24, 2014	0.563907
Feb 25, 2014	Mar 24, 2014	0.563907
Mar 25, 2014	Apr 24, 2014	0.563907
Apr 25, 2014	May 23, 2014	0.563907
May 27, 2014	Jun 24, 2014	0.563907
Jun 25, 2014	Jul 24, 2014	0.563907
Jul 25, 2014	Aug 22, 2014	0.563907
Aug 25, 2014	Sep 24, 2014	0.563907
Sep 25, 2014	Oct 24, 2014	0.563907
Oct 27, 2014	Nov 24, 2014	0.563907
Nov 25, 2014	Dec 24, 2014	0.563907
Dec 26, 2014	Jan 23, 2015	0.563907
Jan 26, 2015	Feb 24, 2015	0.563907
Feb 25, 2015	Mar 24, 2015	0.563907
Mar 25, 2015	Apr 24, 2015	0.563907
Apr 27, 2015	May 22, 2015	0.563907
May 26, 2015	Jun 24, 2015	0.563907
Jun 25, 2015		0.563907

1A41 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	0.000000
Aug 27, 2007	Sep 24, 2007	0.000000
Sep 25, 2007	Oct 24, 2007	0.000000
Oct 25, 2007	Nov 23, 2007	0.00000
Nov 26, 2007	Dec 24, 2007	0.00000
Dec 26, 2007	Jan 24, 2008	0.000000
Jan 25, 2008	Feb 22, 2008	0.000000
Feb 25, 2008	Mar 24, 2008	0.000000
Mar 25, 2008	Apr 24, 2008	0.000000
Apr 25, 2008	May 23, 2008	
May 27, 2008	Jun 24, 2008	0.000000
Jun 25, 2008	Jul 24, 2008	0.000000
Jul 25, 2008	Aug 22, 2008	0.000000
Aug 25, 2008	Sep 24, 2008	0.000000
Sep 25, 2008	Oct 24, 2008	0.000000
Oct 27, 2008	Nov 24, 2008	0.000000
Nov 25, 2008	Dec 24, 2008	0.000000
	Jan 23, 2009	0.000000
Dec 26, 2008		0.000000
Jan 26, 2009	Feb 24, 2009	0.000000
Feb 25, 2009	Mar 24, 2009	0.000000
Mar 25, 2009	Apr 24, 2009	0.000000
Apr 27, 2009	May 22, 2009	0.000000
May 26, 2009	Jun 24, 2009	0.000000
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Aug 25, 2011	Sep 23, 2011	0.000000

1A41 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A42 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A42 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.981075
Feb 01, 2012	Feb 29, 2012	0.969375
Mar 01, 2012	Mar 30, 2012	0.963050
Apr 02, 2012	Apr 30, 2012	0.947926
May 01, 2012	May 31, 2012	0.930048
Jun 01, 2012	Jun 29, 2012	0.920343
Jul 02, 2012	Jul 31, 2012	0.905485
Aug 01, 2012	Aug 31, 2012	0.891620
Sep 04, 2012	Sep 28, 2012	0.877222
Oct 01, 2012	Oct 31, 2012	0.857916
Nov 01, 2012	Nov 30, 2012	0.848234
Dec 03, 2012	Dec 31, 2012	0.839834
Jan 02, 2013	Jan 31, 2013	0.828003
Feb 01, 2013	Feb 28, 2013	0.811745
Mar 01, 2013	Mar 29, 2013	0.801651
Apr 01, 2013	Apr 30, 2013	0.789449
May 01, 2013	May 31, 2013	0.770863
Jun 03, 2013	Jun 28, 2013	0.758887
Jul 01, 2013	Jul 31, 2013	0.741678
Aug 01, 2013	Aug 30, 2013	0.719681
Sep 03, 2013	Sep 30, 2013	0.702870
Oct 01, 2013	Oct 31, 2013	0.692825
Nov 01, 2013	Nov 29, 2013	0.682401
Dec 02, 2013	Dec 31, 2013	0.671088
Jan 02, 2014	Jan 31, 2014	0.661662
Feb 03, 2014	Feb 28, 2014	0.652926
Mar 03, 2014	Mar 31, 2014	0.646705
Apr 01, 2014	Apr 30, 2014	0.635837
May 01, 2014	May 30, 2014	0.624192
Jun 02, 2014	Jun 30, 2014	0.614382
Jul 01, 2014	Jul 31, 2014	0.604954
Aug 01, 2014	Aug 29, 2014	0.596497
Sep 02, 2014	Sep 30, 2014	0.586167
Oct 01, 2014	Oct 31, 2014	0.582368
Nov 03, 2014	Nov 28, 2014	0.572035
Dec 01, 2014	Dec 31, 2014	0.563199
Jan 02, 2015	Jan 30, 2015	0.554479
Feb 02, 2015	Feb 27, 2015	0.546361
Mar 02, 2015	Mar 31, 2015	0.543247
Apr 01, 2015	Apr 30, 2015	0.535146
May 01, 2015	May 29, 2015	0.527359
Jun 01, 2015		0.522378

1A43 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
		1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010 Mar 24, 2010	1.000000
Feb 25, 2010		1.000000
Mar 25, 2010 Apr 26, 2010	Apr 23, 2010	1.000000
May 25, 2010	May 24, 2010	1.000000
Jun 25, 2010	Jun 24, 2010 Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
	50p 25, 2011	1.000000

1A43 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.828003
Feb 25, 2013	Mar 22, 2013	0.811745
Mar 25, 2013	Apr 24, 2013	0.801651
Apr 25, 2013	May 24, 2013	0.789449
May 28, 2013	Jun 24, 2013	0.770863
Jun 25, 2013	Jul 24, 2013	0.758887
Jul 25, 2013	Aug 23, 2013	0.741678
Aug 26, 2013	Sep 24, 2013	0.719681
Sep 25, 2013	Oct 24, 2013	0.702870
Oct 25, 2013	Nov 22, 2013	0.692825
Nov 25, 2013	Dec 24, 2013	0.682401
Dec 26, 2013	Jan 24, 2014	0.671088
Jan 27, 2014	Feb 24, 2014	0.661662
Feb 25, 2014	Mar 24, 2014	0.652926
Mar 25, 2014	Apr 24, 2014	0.646705
Apr 25, 2014	May 23, 2014	0.635837
May 27, 2014	Jun 24, 2014	0.624192
Jun 25, 2014	Jul 24, 2014	0.614382
Jul 25, 2014	Aug 22, 2014	0.604954
Aug 25, 2014	Sep 24, 2014	0.596497
Sep 25, 2014	Oct 24, 2014	0.586167
Oct 27, 2014	Nov 24, 2014	0.582368
Nov 25, 2014	Dec 24, 2014	0.572035
Dec 26, 2014	Jan 23, 2015	0.563199
Jan 26, 2015	Feb 24, 2015	0.554479
Feb 25, 2015	Mar 24, 2015	0.546361
Mar 25, 2015	Apr 24, 2015	0.543247
Apr 27, 2015	May 22, 2015	0.535146
May 26, 2015	Jun 24, 2015	0.527359
Jun 25, 2015		0.522378

1A44 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
	Sep 24, 2008	1.000000
Aug 25, 2008	· · · · · · · · · · · · · · · · · · ·	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A44 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.828003
Feb 25, 2013	Mar 22, 2013	0.811745
Mar 25, 2013	Apr 24, 2013	0.801651
Apr 25, 2013	May 24, 2013	0.789449
May 28, 2013	Jun 24, 2013	0.770863
Jun 25, 2013	Jul 24, 2013	0.758887
Jul 25, 2013	Aug 23, 2013	0.741678
Aug 26, 2013	Sep 24, 2013	0.719681
Sep 25, 2013	Oct 24, 2013	0.702870
Oct 25, 2013	Nov 22, 2013	0.692825
Nov 25, 2013	Dec 24, 2013	0.682401
Dec 26, 2013	Jan 24, 2014	0.671088
Jan 27, 2014	Feb 24, 2014	0.661662
Feb 25, 2014	Mar 24, 2014	0.652926
Mar 25, 2014	Apr 24, 2014	0.646705
Apr 25, 2014	May 23, 2014	0.635837
May 27, 2014	Jun 24, 2014	0.624192
Jun 25, 2014	Jul 24, 2014	0.614382
Jul 25, 2014	Aug 22, 2014	0.604954
Aug 25, 2014 Sep 25, 2014	Sep 24, 2014 Oct 24, 2014	0.596497
Oct 27, 2014	Nov 24, 2014	0.586167
Nov 25, 2014	Dec 24, 2014	0.582368
		0.572035
Dec 26, 2014 Jan 26, 2015	Jan 23, 2015 Feb 24, 2015	0.563199
Feb 25, 2015	Mar 24, 2015	0.554479
Mar 25, 2015	Apr 24, 2015	0.546361
Apr 27, 2015	May 22, 2015	0.543247
May 26, 2015	Jun 24, 2015	0.535147
Jun 25, 2015	Juli 24, 2013	0.527359
Jun 23, 2013		0.522378

1A45 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
		1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A45 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.981075
Feb 01, 2012	Feb 29, 2012	0.969375
Mar 01, 2012	Mar 30, 2012	0.963050
Apr 02, 2012	Apr 30, 2012	0.947926
May 01, 2012	May 31, 2012	0.930048
Jun 01, 2012	Jun 29, 2012	0.920343
Jul 02, 2012	Jul 31, 2012	0.905485
Aug 01, 2012	Aug 31, 2012	0.891620
Sep 04, 2012	Sep 28, 2012	0.877222
Oct 01, 2012	Oct 31, 2012	0.857916
Nov 01, 2012	Nov 30, 2012	0.848234
Dec 03, 2012	Dec 31, 2012	0.839834
Jan 02, 2013	Jan 31, 2013	0.828003
Feb 01, 2013	Feb 28, 2013	0.811770
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.801690
May 01, 2013	May 31, 2013	0.789506
Jun 03, 2013	Jun 28, 2013	0.770948
Jul 01, 2013	Jul 31, 2013	0.758989
Aug 01, 2013	Aug 30, 2013	0.741804
Sep 03, 2013	Sep 30, 2013	0.719839
Oct 01, 2013	Oct 31, 2013	0.703052 0.693022
Nov 01, 2013	Nov 29, 2013	0.682612
Dec 02, 2013	Dec 31, 2013	0.671314
Jan 02, 2014	Jan 31, 2014	0.661902
Feb 03, 2014	Feb 28, 2014	0.653178
Mar 03, 2014	Mar 31, 2014	0.646966
Apr 01, 2014	Apr 30, 2014	0.636113
May 01, 2014	May 30, 2014	0.624484
Jun 02, 2014	Jun 30, 2014	0.614687
Jul 01, 2014	Jul 31, 2014	0.605272
Aug 01, 2014	Aug 29, 2014	0.596827
Sep 02, 2014	Sep 30, 2014	0.586511
Oct 01, 2014	Oct 31, 2014	0.582717
Nov 03, 2014	Nov 28, 2014	0.572399
Dec 01, 2014	Dec 31, 2014	0.563574
Jan 02, 2015	Jan 30, 2015	0.554866
Feb 02, 2015	Feb 27, 2015	0.546759
Mar 02, 2015	Mar 31, 2015	0.543650
Apr 01, 2015	Apr 30, 2015	0.535560
May 01, 2015	May 29, 2015	0.527783
Jun 01, 2015		0.522809

1A46 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
		1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010 Mar 24, 2010	1.000000
Feb 25, 2010		1.000000
Mar 25, 2010 Apr 26, 2010	Apr 23, 2010	1.000000
May 25, 2010	May 24, 2010	1.000000
Jun 25, 2010	Jun 24, 2010 Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
	50p 25, 2011	1.000000

1A46 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.828003
Feb 25, 2013	Mar 22, 2013	0.811770
Mar 25, 2013	Apr 24, 2013	0.801690
Apr 25, 2013	May 24, 2013	0.789506
May 28, 2013	Jun 24, 2013	0.770948
Jun 25, 2013	Jul 24, 2013	0.758989
Jul 25, 2013	Aug 23, 2013	0.741804
Aug 26, 2013	Sep 24, 2013	0.719839
Sep 25, 2013	Oct 24, 2013	0.703052
Oct 25, 2013	Nov 22, 2013	0.693022
Nov 25, 2013	Dec 24, 2013	0.682612
Dec 26, 2013	Jan 24, 2014	0.671314
Jan 27, 2014	Feb 24, 2014	0.661902
Feb 25, 2014	Mar 24, 2014	0.653178
Mar 25, 2014	Apr 24, 2014	0.646966
Apr 25, 2014	May 23, 2014	0.636113
May 27, 2014	Jun 24, 2014	0.624484
Jun 25, 2014	Jul 24, 2014	0.614687
Jul 25, 2014	Aug 22, 2014	0.605272
Aug 25, 2014	Sep 24, 2014	0.596827
Sep 25, 2014	Oct 24, 2014	0.586511
Oct 27, 2014	Nov 24, 2014	0.582717
Nov 25, 2014	Dec 24, 2014	0.572399
Dec 26, 2014	Jan 23, 2015	0.563574
Jan 26, 2015	Feb 24, 2015	0.554866
Feb 25, 2015	Mar 24, 2015	0.546759
Mar 25, 2015	Apr 24, 2015	0.543650
Apr 27, 2015	May 22, 2015	0.535560
May 26, 2015	Jun 24, 2015	0.527783
Jun 25, 2015		0.522809

1A47 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A47 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.981075
Feb 27, 2012	Mar 23, 2012	0.969375
Mar 26, 2012	Apr 24, 2012	0.963050
Apr 25, 2012	May 24, 2012	0.947926
May 25, 2012	Jun 22, 2012	0.930048
Jun 25, 2012	Jul 24, 2012	0.920343
Jul 25, 2012	Aug 24, 2012	0.905485
Aug 27, 2012	Sep 24, 2012	0.891620
Sep 25, 2012	Oct 24, 2012	0.877222
Oct 25, 2012	Nov 23, 2012	0.857916
Nov 26, 2012	Dec 24, 2012	0.848234
Dec 26, 2012	Jan 24, 2013	0.839834
Jan 25, 2013	Feb 22, 2013	0.828003
Feb 25, 2013	Mar 22, 2013	0.811770
Mar 25, 2013	Apr 24, 2013	0.801690
Apr 25, 2013	May 24, 2013	0.789506
May 28, 2013	Jun 24, 2013	0.770948
Jun 25, 2013	Jul 24, 2013	0.758989
Jul 25, 2013	Aug 23, 2013	0.741804
Aug 26, 2013	Sep 24, 2013	0.719839
Sep 25, 2013	Oct 24, 2013	0.703052
Oct 25, 2013	Nov 22, 2013	0.693022
Nov 25, 2013	Dec 24, 2013	0.682612
Dec 26, 2013	Jan 24, 2014	0.671314
Jan 27, 2014	Feb 24, 2014	0.661902
Feb 25, 2014	Mar 24, 2014	0.653178
Mar 25, 2014	Apr 24, 2014	0.646966
Apr 25, 2014	May 23, 2014	0.636113
May 27, 2014	Jun 24, 2014	0.624484
Jun 25, 2014	Jul 24, 2014	0.614687
Jul 25, 2014	Aug 22, 2014	0.605272
Aug 25, 2014	Sep 24, 2014	0.596827
Sep 25, 2014	Oct 24, 2014	0.586511
Oct 27, 2014	Nov 24, 2014	0.582717
Nov 25, 2014	Dec 24, 2014	0.572399
Dec 26, 2014	Jan 23, 2015	0.563574
Jan 26, 2015	Feb 24, 2015	0.554866
Feb 25, 2015	Mar 24, 2015	0.546759
Mar 25, 2015	Apr 24, 2015	0.543650
Apr 27, 2015	May 22, 2015	0.535560
May 26, 2015	Jun 24, 2015	0.527783
Jun 25, 2015		0.522809

1A48 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.993518
Sep 04, 2007	Sep 28, 2007	0.980155
Oct 01, 2007	Oct 31, 2007	0.972181
Nov 01, 2007	Nov 30, 2007	0.967618
Dec 03, 2007	Dec 31, 2007	0.958165
Jan 02, 2008	Jan 31, 2008	0.946583
Feb 01, 2008	Feb 29, 2008	
Mar 03, 2008	Mar 31, 2008	0.933953
Apr 01, 2008	Apr 30, 2008	0.922717
May 01, 2008	May 30, 2008	0.916697
Jun 02, 2008	Jun 30, 2008	0.909618
Jul 01, 2008	Jul 31, 2008	0.903581
Aug 01, 2008	Aug 29, 2008	0.894051
Sep 02, 2008	Sep 30, 2008	0.892191
Oct 01, 2008	Oct 31, 2008	0.889707
Nov 03, 2008		0.889706
	Nov 28, 2008	0.880354
Dec 01, 2008	Dec 31, 2008	0.880353
Jan 02, 2009	Jan 30, 2009	0.876443
Feb 02, 2009	Feb 27, 2009	0.866171
Mar 02, 2009	Mar 31, 2009	0.843716
Apr 01, 2009	Apr 30, 2009	0.828416
May 01, 2009	May 29, 2009	0.799568
Jun 01, 2009	Jun 30, 2009	0.773925
Jul 01, 2009	Jul 31, 2009	0.751970
Aug 03, 2009	Aug 31, 2009	0.725859
Sep 01, 2009	Sep 30, 2009	0.718841
Oct 01, 2009	Oct 30, 2009	0.705140
Nov 02, 2009	Nov 30, 2009	0.696152
Dec 01, 2009	Dec 31, 2009	0.683162
Jan 04, 2010	Jan 29, 2010	0.666144
Feb 01, 2010	Feb 26, 2010	0.642688
Mar 01, 2010	Mar 31, 2010	0.636813
Apr 01, 2010	Apr 30, 2010	0.623705
May 03, 2010	May 28, 2010	0.614363
Jun 01, 2010	Jun 30, 2010	0.607191
Jul 01, 2010	Jul 30, 2010	0.589763
Aug 02, 2010	Aug 31, 2010	0.566332
Sep 01, 2010	Sep 30, 2010	0.546776
Oct 01, 2010	Oct 29, 2010	0.521078
Nov 01, 2010	Nov 30, 2010	0.494469
Dec 01, 2010	Dec 31, 2010	0.468748
Jan 03, 2011	Jan 31, 2011	0.440191
Feb 01, 2011	Feb 28, 2011	0.422610
Mar 01, 2011	Mar 31, 2011	0.410543
Apr 01, 2011	Apr 29, 2011	0.392161
May 02, 2011	May 31, 2011	0.386516
Jun 01, 2011	Jun 30, 2011	0.376023
Jul 01, 2011	Jul 29, 2011	0.365196
Aug 01, 2011	Aug 31, 2011	0.359237

1A48 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.345754
Oct 03, 2011	Oct 31, 2011	0.338873
Nov 01, 2011	Nov 30, 2011	0.336213
Dec 01, 2011	Dec 30, 2011	0.332735
Jan 03, 2012	Jan 31, 2012	0.326438
Feb 01, 2012	Feb 29, 2012	0.322545
Mar 01, 2012	Mar 30, 2012	0.320440
Apr 02, 2012	Apr 30, 2012	0.315408
May 01, 2012	May 31, 2012	0.309459
Jun 01, 2012	Jun 29, 2012	0.306230
Jul 02, 2012	Jul 31, 2012	0.301286
Aug 01, 2012	Aug 31, 2012	0.296673
Sep 04, 2012	Sep 28, 2012	0.291882
Oct 01, 2012	Oct 31, 2012	0.285459
Nov 01, 2012	Nov 30, 2012	0.282237
Dec 03, 2012	Dec 31, 2012	0.279442
Jan 02, 2013	Jan 31, 2013	0.275505
Feb 01, 2013	Feb 28, 2013	0.270096
Mar 01, 2013	Mar 29, 2013	0.266737
Apr 01, 2013	Apr 30, 2013	0.262677
May 01, 2013	May 31, 2013	0.256493
Jun 03, 2013	Jun 28, 2013	0.252508
Jul 01, 2013	Jul 31, 2013	0.246782
Aug 01, 2013	Aug 30, 2013	0.239463
Sep 03, 2013	Sep 30, 2013	0.233869
Oct 01, 2013	Oct 31, 2013	0.230527
Nov 01, 2013	Nov 29, 2013	0.227059
Dec 02, 2013	Dec 31, 2013	0.223294
Jan 02, 2014	Jan 31, 2014	0.220158
Feb 03, 2014	Feb 28, 2014	0.217251
Mar 03, 2014	Mar 31, 2014	0.215181
Apr 01, 2014	Apr 30, 2014	0.211565
May 01, 2014	May 30, 2014	0.207690
Jun 02, 2014	Jun 30, 2014	0.204426
Jul 01, 2014	Jul 31, 2014	0.201289
Aug 01, 2014	Aug 29, 2014	0.198475
Sep 02, 2014	Sep 30, 2014	0.195038
Oct 01, 2014	Oct 31, 2014	0.193774
Nov 03, 2014	Nov 28, 2014	0.190336
Dec 01, 2014	Dec 31, 2014	0.187396
Jan 02, 2015	Jan 30, 2015	0.184494
Feb 02, 2015	Feb 27, 2015	0.181793
Mar 02, 2015	Mar 31, 2015	0.180757
Apr 01, 2015	Apr 30, 2015	0.178062
May 01, 2015	May 29, 2015	0.175471
Jun 01, 2015		0.173813

1A49 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A49 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.996782
Feb 27, 2012	Mar 23, 2012	0.996182
Mar 26, 2012	Apr 24, 2012	0.980166
Apr 25, 2012	May 24, 2012	0.964033
May 25, 2012	Jun 22, 2012	0.957767
Jun 25, 2012	Jul 24, 2012	0.953265
Jul 25, 2012	Aug 24, 2012	0.947591
Aug 27, 2012	Sep 24, 2012	0.943478
Sep 25, 2012	Oct 24, 2012	0.934946
Oct 25, 2012	Nov 23, 2012	0.929748
Nov 26, 2012	Dec 24, 2012	0.917565
Dec 26, 2012	Jan 24, 2013	0.908539
Jan 25, 2013	Feb 22, 2013	0.899149
Feb 25, 2013	Mar 22, 2013	0.897670
Mar 25, 2013 Apr 25, 2013	Apr 24, 2013 May 24, 2013	0.892941
May 28, 2013	Jun 24, 2013	0.891197
Jun 25, 2013	Jul 24, 2013	0.886444
Jul 25, 2013	Aug 23, 2013	0.866250
Aug 26, 2013	Sep 24, 2013	0.856835
Sep 25, 2013	Oct 24, 2013	0.851461
Oct 25, 2013	Nov 22, 2013	0.849381 0.842796
Nov 25, 2013	Dec 24, 2013	0.838109
Dec 26, 2013	Jan 24, 2014	0.836301
Jan 27, 2014	Feb 24, 2014	0.821849
Feb 25, 2014	Mar 24, 2014	0.814625
Mar 25, 2014	Apr 24, 2014	0.814315
Apr 25, 2014	May 23, 2014	0.812865
May 27, 2014	Jun 24, 2014	0.812865
Jun 25, 2014	Jul 24, 2014	0.807361
Jul 25, 2014	Aug 22, 2014	0.793084
Aug 25, 2014	Sep 24, 2014	0.780805
Sep 25, 2014	Oct 24, 2014	0.779091
Oct 27, 2014	Nov 24, 2014	0.776369
Nov 25, 2014	Dec 24, 2014	0.759689
Dec 26, 2014	Jan 23, 2015	0.755090
Jan 26, 2015	Feb 24, 2015	0.749812
Feb 25, 2015	Mar 24, 2015	0.749812
Mar 25, 2015	Apr 24, 2015	0.745615
Apr 27, 2015	May 22, 2015	0.735427
May 26, 2015	Jun 24, 2015	0.729542
Jun 25, 2015		0.725659

1A50 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A50 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.996782
Feb 27, 2012	Mar 23, 2012	0.996182
Mar 26, 2012	Apr 24, 2012	0.980166
Apr 25, 2012	May 24, 2012	0.964033
May 25, 2012	Jun 22, 2012	0.957767
Jun 25, 2012	Jul 24, 2012	0.953265
Jul 25, 2012	Aug 24, 2012	0.947591
Aug 27, 2012	Sep 24, 2012	0.943478
Sep 25, 2012	Oct 24, 2012	0.934946
Oct 25, 2012	Nov 23, 2012	0.929748
Nov 26, 2012	Dec 24, 2012	0.917565
Dec 26, 2012	Jan 24, 2013	0.908539
Jan 25, 2013	Feb 22, 2013	0.899149
Feb 25, 2013	Mar 22, 2013	0.897670
Mar 25, 2013	Apr 24, 2013	0.892941
Apr 25, 2013	May 24, 2013	0.891197
May 28, 2013	Jun 24, 2013	0.886444
Jun 25, 2013	Jul 24, 2013	0.866250
Jul 25, 2013	Aug 23, 2013	0.856835
Aug 26, 2013	Sep 24, 2013	0.851461
Sep 25, 2013	Oct 24, 2013	0.849381
Oct 25, 2013	Nov 22, 2013	0.842796
Nov 25, 2013	Dec 24, 2013	0.838109
Dec 26, 2013	Jan 24, 2014	0.836301
Jan 27, 2014	Feb 24, 2014	0.821849
Feb 25, 2014	Mar 24, 2014	0.814625
Mar 25, 2014	Apr 24, 2014	0.814315
Apr 25, 2014	May 23, 2014	0.812865
May 27, 2014	Jun 24, 2014	0.812865
Jun 25, 2014	Jul 24, 2014	0.807361
Jul 25, 2014	Aug 22, 2014	0.793084
Aug 25, 2014	Sep 24, 2014	0.780805
Sep 25, 2014	Oct 24, 2014	0.779091
Oct 27, 2014	Nov 24, 2014	0.776369
Nov 25, 2014	Dec 24, 2014	0.759689
Dec 26, 2014	Jan 23, 2015	0.755090
Jan 26, 2015	Feb 24, 2015	0.749812
Feb 25, 2015	Mar 24, 2015	0.749812
Mar 25, 2015	Apr 24, 2015	0.745615
Apr 27, 2015	May 22, 2015	0.735427
May 26, 2015	Jun 24, 2015	0.729542
Jun 25, 2015		0.725659

1A51 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A51 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.996782
Feb 01, 2012	Feb 29, 2012	0.996182
Mar 01, 2012	Mar 30, 2012	0.980166
Apr 02, 2012	Apr 30, 2012	0.964033
May 01, 2012	May 31, 2012	0.957767
Jun 01, 2012	Jun 29, 2012	0.953265
Jul 02, 2012	Jul 31, 2012	0.947591
Aug 01, 2012	Aug 31, 2012	0.943478
Sep 04, 2012	Sep 28, 2012	0.934946
Oct 01, 2012	Oct 31, 2012	0.929748
Nov 01, 2012	Nov 30, 2012	0.917565
Dec 03, 2012	Dec 31, 2012	0.908539
Jan 02, 2013	Jan 31, 2013	0.899149
Feb 01, 2013	Feb 28, 2013	0.897670
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.892941
May 01, 2013	May 31, 2013	0.891197
Jun 03, 2013	Jun 28, 2013	0.886444
Jul 01, 2013	Jul 31, 2013	0.866250
Aug 01, 2013	Aug 30, 2013	0.856835
Sep 03, 2013	Sep 30, 2013	0.851461
Oct 01, 2013	Oct 31, 2013	0.849381 0.842796
Nov 01, 2013	Nov 29, 2013	0.838109
Dec 02, 2013	Dec 31, 2013	0.836301
Jan 02, 2014	Jan 31, 2014	0.821849
Feb 03, 2014	Feb 28, 2014	0.814625
Mar 03, 2014	Mar 31, 2014	0.814315
Apr 01, 2014	Apr 30, 2014	0.812865
May 01, 2014	May 30, 2014	0.812865
Jun 02, 2014	Jun 30, 2014	0.807361
Jul 01, 2014	Jul 31, 2014	0.793084
Aug 01, 2014	Aug 29, 2014	0.780805
Sep 02, 2014	Sep 30, 2014	0.779091
Oct 01, 2014	Oct 31, 2014	0.776369
Nov 03, 2014	Nov 28, 2014	0.759689
Dec 01, 2014	Dec 31, 2014	0.755090
Jan 02, 2015	Jan 30, 2015	0.749812
Feb 02, 2015	Feb 27, 2015	0.749812
Mar 02, 2015	Mar 31, 2015	0.745615
Apr 01, 2015	Apr 30, 2015	0.735427
May 01, 2015	May 29, 2015	0.729542
Jun 01, 2015		0.725659

1A52 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	1.000000
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010	1.000000
Feb 25, 2010	Mar 24, 2010	1.000000
Mar 25, 2010	Apr 23, 2010	1.000000
Apr 26, 2010	May 24, 2010	1.000000
May 25, 2010	Jun 24, 2010	1.000000
Jun 25, 2010	Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000

1A52 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.996782
Feb 27, 2012	Mar 23, 2012	0.996182
Mar 26, 2012	Apr 24, 2012	0.980166
Apr 25, 2012	May 24, 2012	0.964033
May 25, 2012	Jun 22, 2012	0.957767
Jun 25, 2012	Jul 24, 2012	0.953265
Jul 25, 2012	Aug 24, 2012	0.947591
Aug 27, 2012	Sep 24, 2012	0.943478
Sep 25, 2012	Oct 24, 2012	0.934946
Oct 25, 2012	Nov 23, 2012	0.929748
Nov 26, 2012	Dec 24, 2012	0.917565
Dec 26, 2012	Jan 24, 2013	0.908539
Jan 25, 2013	Feb 22, 2013	0.899149
Feb 25, 2013	Mar 22, 2013	0.897670
Mar 25, 2013 Apr 25, 2013	Apr 24, 2013 May 24, 2013	0.892941
May 28, 2013	Jun 24, 2013	0.891197
Jun 25, 2013	Jul 24, 2013	0.886444
Jul 25, 2013	Aug 23, 2013	0.866250
Aug 26, 2013	Sep 24, 2013	0.856835
Sep 25, 2013	Oct 24, 2013	0.851461
Oct 25, 2013	Nov 22, 2013	0.849381 0.842796
Nov 25, 2013	Dec 24, 2013	0.838109
Dec 26, 2013	Jan 24, 2014	0.836301
Jan 27, 2014	Feb 24, 2014	0.821849
Feb 25, 2014	Mar 24, 2014	0.814625
Mar 25, 2014	Apr 24, 2014	0.814315
Apr 25, 2014	May 23, 2014	0.812865
May 27, 2014	Jun 24, 2014	0.812865
Jun 25, 2014	Jul 24, 2014	0.807361
Jul 25, 2014	Aug 22, 2014	0.793084
Aug 25, 2014	Sep 24, 2014	0.780805
Sep 25, 2014	Oct 24, 2014	0.779091
Oct 27, 2014	Nov 24, 2014	0.776369
Nov 25, 2014	Dec 24, 2014	0.759689
Dec 26, 2014	Jan 23, 2015	0.755090
Jan 26, 2015	Feb 24, 2015	0.749812
Feb 25, 2015	Mar 24, 2015	0.749812
Mar 25, 2015	Apr 24, 2015	0.745615
Apr 27, 2015	May 22, 2015	0.735427
May 26, 2015	Jun 24, 2015	0.729542
Jun 25, 2015		0.725659

1A53 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	1.000000
Sep 25, 2007	Oct 24, 2007	1.000000
Oct 25, 2007	Nov 23, 2007	1.000000
Nov 26, 2007	Dec 24, 2007	1.000000
Dec 26, 2007	Jan 24, 2008	1.000000
Jan 25, 2008	Feb 22, 2008	1.000000
Feb 25, 2008	Mar 24, 2008	1.000000
Mar 25, 2008	Apr 24, 2008	1.000000
Apr 25, 2008	May 23, 2008	1.000000
May 27, 2008	Jun 24, 2008	1.000000
Jun 25, 2008	Jul 24, 2008	1.000000
Jul 25, 2008	Aug 22, 2008	1.000000
Aug 25, 2008	Sep 24, 2008	
Sep 25, 2008	Oct 24, 2008	1.000000
Oct 27, 2008	Nov 24, 2008	1.000000
Nov 25, 2008	Dec 24, 2008	1.000000
Dec 26, 2008	Jan 23, 2009	1.000000
Jan 26, 2009	Feb 24, 2009	1.000000
Feb 25, 2009	Mar 24, 2009	1.000000
Mar 25, 2009	Apr 24, 2009	1.000000
Apr 27, 2009	May 22, 2009	1.000000
May 26, 2009	Jun 24, 2009	1.000000
Jun 25, 2009	Jul 24, 2009	1.000000
		1.000000
Jul 27, 2009	Aug 24, 2009	1.000000
Aug 25, 2009	Sep 24, 2009	1.000000
Sep 25, 2009	Oct 23, 2009	1.000000
Oct 26, 2009	Nov 24, 2009	1.000000
Nov 25, 2009	Dec 24, 2009	1.000000
Dec 28, 2009	Jan 22, 2010	1.000000
Jan 25, 2010	Feb 24, 2010 Mar 24, 2010	1.000000
Feb 25, 2010		1.000000
Mar 25, 2010 Apr 26, 2010	Apr 23, 2010	1.000000
May 25, 2010	May 24, 2010	1.000000
Jun 25, 2010	Jun 24, 2010 Jul 23, 2010	1.000000
Jul 26, 2010	Aug 24, 2010	1.000000
Aug 25, 2010	Sep 24, 2010	1.000000
Sep 27, 2010	Oct 22, 2010	1.000000
Oct 25, 2010	Nov 24, 2010	1.000000
Nov 26, 2010	Dec 23, 2010	1.000000
Dec 27, 2010	Jan 24, 2011	1.000000
Jan 25, 2011	Feb 24, 2011	1.000000
Feb 25, 2011	Mar 24, 2011	1.000000
Mar 25, 2011	Apr 22, 2011	1.000000
Apr 25, 2011	May 24, 2011	1.000000
May 25, 2011	Jun 24, 2011	1.000000
Jun 27, 2011	Jul 22, 2011	1.000000
Jul 25, 2011	Aug 24, 2011	1.000000
Aug 25, 2011	Sep 23, 2011	1.000000
	50p 25, 2011	1.000000

1A53 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	1.000000
Oct 25, 2011	Nov 23, 2011	1.000000
Nov 25, 2011	Dec 23, 2011	1.000000
Dec 27, 2011	Jan 24, 2012	1.000000
Jan 25, 2012	Feb 24, 2012	0.996782
Feb 27, 2012	Mar 23, 2012	0.996182
Mar 26, 2012	Apr 24, 2012	0.980166
Apr 25, 2012	May 24, 2012	0.964033
May 25, 2012	Jun 22, 2012	0.957767
Jun 25, 2012	Jul 24, 2012	0.953265
Jul 25, 2012	Aug 24, 2012	0.947591
Aug 27, 2012	Sep 24, 2012	0.943478
Sep 25, 2012	Oct 24, 2012	0.934946
Oct 25, 2012	Nov 23, 2012	0.929748
Nov 26, 2012	Dec 24, 2012	0.917565
Dec 26, 2012	Jan 24, 2013	0.908539
Jan 25, 2013	Feb 22, 2013	0.899149
Feb 25, 2013	Mar 22, 2013	0.897670
Mar 25, 2013 Apr 25, 2013	Apr 24, 2013 May 24, 2013	0.892941
May 28, 2013	Jun 24, 2013	0.891197
Jun 25, 2013	Jul 24, 2013	0.886444
Jul 25, 2013	Aug 23, 2013	0.866250
Aug 26, 2013	Sep 24, 2013	0.856835
Sep 25, 2013	Oct 24, 2013	0.851461
Oct 25, 2013	Nov 22, 2013	0.849381 0.842796
Nov 25, 2013	Dec 24, 2013	0.838109
Dec 26, 2013	Jan 24, 2014	0.836301
Jan 27, 2014	Feb 24, 2014	0.821849
Feb 25, 2014	Mar 24, 2014	0.814625
Mar 25, 2014	Apr 24, 2014	0.814315
Apr 25, 2014	May 23, 2014	0.812865
May 27, 2014	Jun 24, 2014	0.812865
Jun 25, 2014	Jul 24, 2014	0.807361
Jul 25, 2014	Aug 22, 2014	0.793084
Aug 25, 2014	Sep 24, 2014	0.780805
Sep 25, 2014	Oct 24, 2014	0.779091
Oct 27, 2014	Nov 24, 2014	0.776369
Nov 25, 2014	Dec 24, 2014	0.759689
Dec 26, 2014	Jan 23, 2015	0.755090
Jan 26, 2015	Feb 24, 2015	0.749812
Feb 25, 2015	Mar 24, 2015	0.749812
Mar 25, 2015	Apr 24, 2015	0.745615
Apr 27, 2015	May 22, 2015	0.735427
May 26, 2015	Jun 24, 2015	0.729542
Jun 25, 2015		0.725659

1A54 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.996621
Sep 04, 2007	Sep 28, 2007	0.983687
Oct 01, 2007	Oct 31, 2007	0.973438
Nov 01, 2007	Nov 30, 2007	0.962755
Dec 03, 2007	Dec 31, 2007	0.961610
Jan 02, 2008	Jan 31, 2008	0.947148
Feb 01, 2008	Feb 29, 2008	0.929196
Mar 03, 2008	Mar 31, 2008	0.918991
Apr 01, 2008	Apr 30, 2008	0.900637
May 01, 2008	May 30, 2008	0.891473
Jun 02, 2008	Jun 30, 2008	0.868394
Jul 01, 2008	Jul 31, 2008	0.843923
Aug 01, 2008	Aug 29, 2008	0.837527
Sep 02, 2008	Sep 30, 2008	0.835514
Oct 01, 2008	Oct 31, 2008	0.833013
Nov 03, 2008	Nov 28, 2008	0.827696
Dec 01, 2008	Dec 31, 2008	0.821558
Jan 02, 2009	Jan 30, 2009	0.811560
Feb 02, 2009	Feb 27, 2009	0.799977
Mar 02, 2009	Mar 31, 2009	0.792091
Apr 01, 2009	Apr 30, 2009	0.784307
May 01, 2009	May 29, 2009	0.774164
Jun 01, 2009	Jun 30, 2009	0.771686
Jul 01, 2009	Jul 31, 2009	0.747201
Aug 03, 2009	Aug 31, 2009	0.731037
Sep 01, 2009	Sep 30, 2009	0.718171
Oct 01, 2009	Oct 30, 2009	0.708177
Nov 02, 2009	Nov 30, 2009	0.697797
Dec 01, 2009	Dec 31, 2009	0.684114
Jan 04, 2010	Jan 29, 2010	0.679598
Feb 01, 2010	Feb 26, 2010	0.669565
Mar 01, 2010	Mar 31, 2010	0.660760
Apr 01, 2010	Apr 30, 2010	0.638792
May 03, 2010	May 28, 2010	0.636946
Jun 01, 2010	Jun 30, 2010	0.626239
Jul 01, 2010	Jul 30, 2010	0.622390
Aug 02, 2010	Aug 31, 2010	0.595446
Sep 01, 2010	Sep 30, 2010	0.586248
Oct 01, 2010	Oct 29, 2010	0.577021
Nov 01, 2010	Nov 30, 2010	0.562574
Dec 01, 2010	Dec 31, 2010	0.561721
Jan 03, 2011	Jan 31, 2011	0.529529
Feb 01, 2011	Feb 28, 2011	0.516746
Mar 01, 2011	Mar 31, 2011	0.503560
Apr 01, 2011	Apr 29, 2011	0.493344
May 02, 2011	May 31, 2011	0.489740
Jun 01, 2011	Jun 30, 2011	0.481474
Jul 01, 2011	Jul 29, 2011	0.467717
Aug 01, 2011	Aug 31, 2011	0.466754

1A54 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.453772
Oct 03, 2011	Oct 31, 2011	0.432216
Nov 01, 2011	Nov 30, 2011	0.428040
Dec 01, 2011	Dec 30, 2011	0.427521
Jan 03, 2012	Jan 31, 2012	0.426145
Feb 01, 2012	Feb 29, 2012	0.425889
Mar 01, 2012	Mar 30, 2012	0.419042
Apr 02, 2012	Apr 30, 2012	0.412144
May 01, 2012	May 31, 2012	0.409465
Jun 01, 2012	Jun 29, 2012	0.407541
Jul 02, 2012	Jul 31, 2012	0.405115
Aug 01, 2012	Aug 31, 2012	0.403357
Sep 04, 2012	Sep 28, 2012	0.399709
Oct 01, 2012	Oct 31, 2012	0.397487
Nov 01, 2012	Nov 30, 2012	0.392278
Dec 03, 2012	Dec 31, 2012	0.388419
Jan 02, 2013	Jan 31, 2013	0.384405
Feb 01, 2013	Feb 28, 2013	0.383773
Mar 01, 2013	Mar 29, 2013	0.381751
Apr 01, 2013	Apr 30, 2013	0.381005
May 01, 2013	May 31, 2013	0.378973
Jun 03, 2013	Jun 28, 2013	0.370340
Jul 01, 2013	Jul 31, 2013	0.366315
Aug 01, 2013	Aug 30, 2013	0.364017
Sep 03, 2013	Sep 30, 2013	0.363128
Oct 01, 2013	Oct 31, 2013	0.360313
Nov 01, 2013	Nov 29, 2013	0.358309
Dec 02, 2013	Dec 31, 2013	0.357536
Jan 02, 2014	Jan 31, 2014	0.351358
Feb 03, 2014	Feb 28, 2014	0.348269
Mar 03, 2014	Mar 31, 2014	0.348137
Apr 01, 2014	Apr 30, 2014	0.347517
May 01, 2014	May 30, 2014	0.347517
Jun 02, 2014	Jun 30, 2014	0.345164
Jul 01, 2014	Jul 31, 2014	0.339060
Aug 01, 2014	Aug 29, 2014	0.333811
Sep 02, 2014	Sep 30, 2014	0.333077
Oct 01, 2014	Oct 31, 2014	0.331914
Nov 03, 2014	Nov 28, 2014	0.324783
Dec 01, 2014	Dec 31, 2014	0.322817
Jan 02, 2015	Jan 30, 2015	0.320560
Feb 02, 2015	Feb 27, 2015	0.320560
Mar 02, 2015	Mar 31, 2015	0.318766
Apr 01, 2015	Apr 30, 2015	0.314410
May 01, 2015	May 29, 2015	0.311895
Jun 01, 2015		0.310235

JP Morgan Mortgage Trust 2007-S3

1A55 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A55 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.996782
Feb 01, 2012	Feb 29, 2012	0.996182
Mar 01, 2012	Mar 30, 2012	0.980166
Apr 02, 2012	Apr 30, 2012	0.964033
May 01, 2012	May 31, 2012	0.957767
Jun 01, 2012	Jun 29, 2012	0.953265
Jul 02, 2012	Jul 31, 2012	0.947591
Aug 01, 2012	Aug 31, 2012	0.943478
Sep 04, 2012	Sep 28, 2012	0.934946
Oct 01, 2012	Oct 31, 2012	0.929748
Nov 01, 2012	Nov 30, 2012	0.917565
Dec 03, 2012	Dec 31, 2012	0.908539
Jan 02, 2013	Jan 31, 2013	0.899149
Feb 01, 2013	Feb 28, 2013	0.897670
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.892941
May 01, 2013	May 31, 2013	0.891197
Jun 03, 2013	Jun 28, 2013	0.886444
Jul 01, 2013	Jul 31, 2013	0.866250
Aug 01, 2013	Aug 30, 2013	0.856835
Sep 03, 2013	Sep 30, 2013	0.851461
Oct 01, 2013	Oct 31, 2013	0.849381 0.842796
Nov 01, 2013	Nov 29, 2013	0.838109
Dec 02, 2013	Dec 31, 2013	0.836301
Jan 02, 2014	Jan 31, 2014	0.821849
Feb 03, 2014	Feb 28, 2014	0.814625
Mar 03, 2014	Mar 31, 2014	0.814315
Apr 01, 2014	Apr 30, 2014	0.812865
May 01, 2014	May 30, 2014	0.812865
Jun 02, 2014	Jun 30, 2014	0.807361
Jul 01, 2014	Jul 31, 2014	0.793084
Aug 01, 2014	Aug 29, 2014	0.780805
Sep 02, 2014	Sep 30, 2014	0.779091
Oct 01, 2014	Oct 31, 2014	0.776369
Nov 03, 2014	Nov 28, 2014	0.759689
Dec 01, 2014	Dec 31, 2014	0.755090
Jan 02, 2015	Jan 30, 2015	0.749812
Feb 02, 2015	Feb 27, 2015	0.749812
Mar 02, 2015	Mar 31, 2015	0.745615
Apr 01, 2015	Apr 30, 2015	0.735427
May 01, 2015	May 29, 2015	0.729542
Jun 01, 2015		0.725659

1A56 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A56 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.996782
Feb 01, 2012	Feb 29, 2012	0.996182
Mar 01, 2012	Mar 30, 2012	0.980166
Apr 02, 2012	Apr 30, 2012	0.964033
May 01, 2012	May 31, 2012	0.957767
Jun 01, 2012	Jun 29, 2012	0.953265
Jul 02, 2012	Jul 31, 2012	0.947591
Aug 01, 2012	Aug 31, 2012	0.943478
Sep 04, 2012	Sep 28, 2012	0.934946
Oct 01, 2012	Oct 31, 2012	0.929748
Nov 01, 2012	Nov 30, 2012	0.917565
Dec 03, 2012	Dec 31, 2012	0.908539
Jan 02, 2013	Jan 31, 2013	0.899149
Feb 01, 2013	Feb 28, 2013	0.897670
Mar 01, 2013	Mar 29, 2013	0.892941
Apr 01, 2013	Apr 30, 2013	0.891197
May 01, 2013	May 31, 2013	0.886444
Jun 03, 2013	Jun 28, 2013	0.866250
Jul 01, 2013	Jul 31, 2013	0.856835
Aug 01, 2013	Aug 30, 2013	0.851461
Sep 03, 2013	Sep 30, 2013	0.849381
Oct 01, 2013	Oct 31, 2013	0.842796
Nov 01, 2013	Nov 29, 2013	0.838109
Dec 02, 2013	Dec 31, 2013	0.836301
Jan 02, 2014	Jan 31, 2014	0.821849
Feb 03, 2014	Feb 28, 2014	0.814625
Mar 03, 2014	Mar 31, 2014	0.814315
Apr 01, 2014	Apr 30, 2014	0.812865
May 01, 2014	May 30, 2014	0.812865
Jun 02, 2014	Jun 30, 2014	0.807361
Jul 01, 2014	Jul 31, 2014	0.793084
Aug 01, 2014	Aug 29, 2014	0.780805
Sep 02, 2014	Sep 30, 2014	0.779091
Oct 01, 2014	Oct 31, 2014	0.776369
Nov 03, 2014	Nov 28, 2014	0.759689
Dec 01, 2014	Dec 31, 2014	0.755090
Jan 02, 2015	Jan 30, 2015	0.749812
Feb 02, 2015	Feb 27, 2015	0.749812
Mar 02, 2015	Mar 31, 2015	0.745615
Apr 01, 2015	Apr 30, 2015	0.735427
May 01, 2015	May 29, 2015	0.729542
Jun 01, 2015		0.725659

1A57 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
		1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A57 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.996782
Feb 01, 2012	Feb 29, 2012	0.996182
Mar 01, 2012	Mar 30, 2012	0.980166
Apr 02, 2012	Apr 30, 2012	0.964033
May 01, 2012	May 31, 2012	0.957767
Jun 01, 2012	Jun 29, 2012	0.953265
Jul 02, 2012	Jul 31, 2012	0.947591
Aug 01, 2012	Aug 31, 2012	0.943478
Sep 04, 2012	Sep 28, 2012	0.934946
Oct 01, 2012	Oct 31, 2012	0.929748
Nov 01, 2012	Nov 30, 2012	0.917565
Dec 03, 2012	Dec 31, 2012	0.908539
Jan 02, 2013	Jan 31, 2013	0.899149
Feb 01, 2013	Feb 28, 2013	0.897670
Mar 01, 2013	Mar 29, 2013	0.892941
Apr 01, 2013	Apr 30, 2013	0.891197
May 01, 2013	May 31, 2013	0.886444
Jun 03, 2013	Jun 28, 2013	0.866250
Jul 01, 2013	Jul 31, 2013	0.856835
Aug 01, 2013	Aug 30, 2013	0.851461
Sep 03, 2013	Sep 30, 2013	0.849381
Oct 01, 2013	Oct 31, 2013	0.842796
Nov 01, 2013	Nov 29, 2013	0.838109
Dec 02, 2013	Dec 31, 2013	0.836301
Jan 02, 2014	Jan 31, 2014	0.821849
Feb 03, 2014	Feb 28, 2014	0.814625
Mar 03, 2014	Mar 31, 2014	0.814315
Apr 01, 2014	Apr 30, 2014	0.812865
May 01, 2014	May 30, 2014	0.812865
Jun 02, 2014	Jun 30, 2014	0.807361
Jul 01, 2014	Jul 31, 2014	0.793084
Aug 01, 2014	Aug 29, 2014	0.780805
Sep 02, 2014	Sep 30, 2014	0.779091
Oct 01, 2014	Oct 31, 2014	0.776369
Nov 03, 2014	Nov 28, 2014	0.759689
Dec 01, 2014	Dec 31, 2014	0.755090
Jan 02, 2015	Jan 30, 2015	0.749812
Feb 02, 2015	Feb 27, 2015	0.749812
Mar 02, 2015	Mar 31, 2015	0.745615
Apr 01, 2015	Apr 30, 2015	0.735427
May 01, 2015	May 29, 2015	0.729542
Jun 01, 2015		0.725659

1A58 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010 Nov 01, 2010	Oct 29, 2010 Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000
	<u> </u>	1.000000

1A58 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.996782
Feb 01, 2012	Feb 29, 2012	0.996182
Mar 01, 2012	Mar 30, 2012	0.980166
Apr 02, 2012	Apr 30, 2012	0.964033
May 01, 2012	May 31, 2012	0.957767
Jun 01, 2012	Jun 29, 2012	0.953265
Jul 02, 2012	Jul 31, 2012	0.947591
Aug 01, 2012	Aug 31, 2012	0.943478
Sep 04, 2012	Sep 28, 2012	0.934946
Oct 01, 2012	Oct 31, 2012	0.929748
Nov 01, 2012	Nov 30, 2012	0.917565
Dec 03, 2012	Dec 31, 2012	0.908539
Jan 02, 2013	Jan 31, 2013	0.899149
Feb 01, 2013	Feb 28, 2013	0.897670
Mar 01, 2013	Mar 29, 2013	0.892941
Apr 01, 2013	Apr 30, 2013	0.891197
May 01, 2013	May 31, 2013	0.886444
Jun 03, 2013	Jun 28, 2013	0.866250
Jul 01, 2013	Jul 31, 2013	0.856835
Aug 01, 2013	Aug 30, 2013	0.851461
Sep 03, 2013	Sep 30, 2013	0.849381
Oct 01, 2013	Oct 31, 2013	0.842796
Nov 01, 2013	Nov 29, 2013	0.838109
Dec 02, 2013	Dec 31, 2013	0.836301
Jan 02, 2014	Jan 31, 2014	0.821849
Feb 03, 2014	Feb 28, 2014	0.814625
Mar 03, 2014	Mar 31, 2014	0.814315
Apr 01, 2014	Apr 30, 2014	0.812865
May 01, 2014	May 30, 2014	0.812865
Jun 02, 2014	Jun 30, 2014	0.807361
Jul 01, 2014	Jul 31, 2014	0.793084
Aug 01, 2014	Aug 29, 2014	0.780805
Sep 02, 2014	Sep 30, 2014	0.779091
Oct 01, 2014	Oct 31, 2014	0.776369
Nov 03, 2014	Nov 28, 2014	0.759689
Dec 01, 2014	Dec 31, 2014	0.755090
Jan 02, 2015	Jan 30, 2015	0.749812
Feb 02, 2015	Feb 27, 2015	0.749812
Mar 02, 2015	Mar 31, 2015	0.745615
Apr 01, 2015	Apr 30, 2015	0.735427
May 01, 2015	May 29, 2015	0.729542
Jun 01, 2015		0.725659

1A59 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.998190
Sep 04, 2007	Sep 28, 2007	0.991263
Oct 01, 2007	Oct 31, 2007	0.985774
Nov 01, 2007	Nov 30, 2007	0.980053
Dec 03, 2007	Dec 31, 2007	0.979440
Jan 02, 2008	Jan 31, 2008	0.971695
Feb 01, 2008	Feb 29, 2008	0.962080
Mar 03, 2008	Mar 31, 2008	0.956615
Apr 01, 2008	Apr 30, 2008	0.946785
May 01, 2008	May 30, 2008	0.941877
Jun 02, 2008	Jun 30, 2008	0.929517
Jul 01, 2008	Jul 31, 2008	0.916411
Aug 01, 2008	Aug 29, 2008	0.912986
Sep 02, 2008	Sep 30, 2008	0.911908
Oct 01, 2008	Oct 31, 2008	0.910568
Nov 03, 2008	Nov 28, 2008	0.907721
Dec 01, 2008	Dec 31, 2008	0.904433
Jan 02, 2009	Jan 30, 2009	0.899079
Feb 02, 2009	Feb 27, 2009	0.892875
Mar 02, 2009	Mar 31, 2009	0.888652
Apr 01, 2009	Apr 30, 2009	0.884483
May 01, 2009	May 29, 2009	0.879050
Jun 01, 2009	Jun 30, 2009	0.877724
Jul 01, 2009	Jul 31, 2009	0.864610
Aug 03, 2009	Aug 31, 2009	0.855954
Sep 01, 2009	Sep 30, 2009	0.849063
Oct 01, 2009	Oct 30, 2009	0.843711
Nov 02, 2009	Nov 30, 2009	0.838151
Dec 01, 2009	Dec 31, 2009	0.830823
Jan 04, 2010	Jan 29, 2010	0.828405
Feb 01, 2010	Feb 26, 2010	0.823032
Mar 01, 2010	Mar 31, 2010	0.818316
Apr 01, 2010	Apr 30, 2010	0.806551
May 03, 2010	May 28, 2010	0.805562
Jun 01, 2010	Jun 30, 2010	0.799828
Jul 01, 2010	Jul 30, 2010	0.797766
Aug 02, 2010	Aug 31, 2010	0.783336
Sep 01, 2010	Sep 30, 2010	0.778410
Oct 01, 2010	Oct 29, 2010	0.773468
Nov 01, 2010	Nov 30, 2010	0.765731
Dec 01, 2010	Dec 31, 2010	0.765274
Jan 03, 2011	Jan 31, 2011	0.748033
Feb 01, 2011 Mar 01, 2011	Feb 28, 2011 Mar 31, 2011	0.741187
Apr 01, 2011	Apr 29, 2011	0.734125
May 02, 2011	May 31, 2011	0.728654
Jun 01, 2011	Jun 30, 2011	0.726724
Jul 01, 2011	Jul 29, 2011	0.722297
Aug 01, 2011	Aug 31, 2011	0.714929
		0.714414

1A59 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.707461
Oct 03, 2011	Oct 31, 2011	0.695916
Nov 01, 2011	Nov 30, 2011	0.693679
Dec 01, 2011	Dec 30, 2011	0.693402
Jan 03, 2012	Jan 31, 2012	0.691170
Feb 01, 2012	Feb 29, 2012	0.690782
Mar 01, 2012	Mar 30, 2012	0.684183
Apr 02, 2012	Apr 30, 2012	0.678833
May 01, 2012	May 31, 2012	0.677330
Jun 01, 2012	Jun 29, 2012	0.676392
Jul 02, 2012	Jul 31, 2012	0.676043
Aug 01, 2012	Aug 31, 2012	0.675901
Sep 04, 2012	Sep 28, 2012	0.675901
Oct 01, 2012	Oct 31, 2012	0.675901
Nov 01, 2012	Nov 30, 2012	0.675901
Dec 03, 2012	Dec 31, 2012	0.675901
Jan 02, 2013	Jan 31, 2013	0.675901
Feb 01, 2013	Feb 28, 2013	0.675901
Mar 01, 2013	Mar 29, 2013	0.675901
Apr 01, 2013	Apr 30, 2013	0.675901
May 01, 2013	May 31, 2013	0.675901
Jun 03, 2013	Jun 28, 2013	0.675901
Jul 01, 2013	Jul 31, 2013	0.675901
Aug 01, 2013	Aug 30, 2013	0.675901
Sep 03, 2013	Sep 30, 2013	0.675901
Oct 01, 2013	Oct 31, 2013	0.675901
Nov 01, 2013	Nov 29, 2013	0.675901
Dec 02, 2013	Dec 31, 2013	0.675901
Jan 02, 2014	Jan 31, 2014	0.675901
Feb 03, 2014	Feb 28, 2014	0.675901
Mar 03, 2014	Mar 31, 2014	0.675901
Apr 01, 2014	Apr 30, 2014	0.675901
May 01, 2014	May 30, 2014	0.675901
Jun 02, 2014	Jun 30, 2014	0.675901
Jul 01, 2014	Jul 31, 2014	0.675901
Aug 01, 2014	Aug 29, 2014	0.675901
Sep 02, 2014	Sep 30, 2014	0.675901
Oct 01, 2014	Oct 31, 2014	0.675901
Nov 03, 2014	Nov 28, 2014	0.675901
Dec 01, 2014	Dec 31, 2014	0.675901
Jan 02, 2015	Jan 30, 2015	0.675901
Feb 02, 2015	Feb 27, 2015	0.675901
Mar 02, 2015	Mar 31, 2015	0.675901
Apr 01, 2015	Apr 30, 2015	0.675901
May 01, 2015	May 29, 2015	0.675901
Jun 01, 2015		0.675901

1A60 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997867
Sep 25, 2007	Oct 24, 2007	0.989233
Oct 25, 2007	Nov 23, 2007	0.985019
Nov 26, 2007	Dec 24, 2007	0.977917
Dec 26, 2007	Jan 24, 2008	0.977289
Jan 25, 2008	Feb 22, 2008	0.969687
Feb 25, 2008	Mar 24, 2008	0.960801
Mar 25, 2008	Apr 24, 2008	0.955785
Apr 25, 2008	May 23, 2008	
May 27, 2008	Jun 24, 2008	0.945137
Jun 25, 2008	Jul 24, 2008	0.939725
Jul 25, 2008	Aug 22, 2008	0.927190
Aug 25, 2008	Sep 24, 2008	0.915327
Sep 25, 2008	Oct 24, 2008	0.912632
Oct 27, 2008	Nov 24, 2008	0.911411
Nov 25, 2008	Dec 24, 2008	0.910280
Dec 26, 2008	Jan 23, 2009	0.906808
Jan 26, 2009	Feb 24, 2009	0.902797
		0.898645
Feb 25, 2009	Mar 24, 2009	0.890927
Mar 25, 2009	Apr 24, 2009	0.886478
Apr 27, 2009	May 22, 2009	0.880423
May 26, 2009	Jun 24, 2009	0.874869
Jun 25, 2009	Jul 24, 2009	0.873341
Jul 27, 2009	Aug 24, 2009	0.859863
Aug 25, 2009	Sep 24, 2009	0.849898
Sep 25, 2009	Oct 23, 2009	0.842974
Oct 26, 2009	Nov 24, 2009	0.836327
Nov 25, 2009	Dec 24, 2009	0.830968
Dec 28, 2009	Jan 22, 2010	0.823475
Jan 25, 2010	Feb 24, 2010	0.821559
Feb 25, 2010	Mar 24, 2010	0.814877
Mar 25, 2010	Apr 23, 2010	0.811411
Apr 26, 2010	May 24, 2010	0.800665
May 25, 2010	Jun 24, 2010	0.798187
Jun 25, 2010	Jul 23, 2010	0.792881
Jul 26, 2010	Aug 24, 2010	0.790742
Aug 25, 2010	Sep 24, 2010	0.779145
Sep 27, 2010	Oct 22, 2010	0.774342
Oct 25, 2010	Nov 24, 2010	0.767875
Nov 26, 2010	Dec 23, 2010	0.758689
Dec 27, 2010	Jan 24, 2011	0.757962
Jan 25, 2011	Feb 24, 2011	0.738694
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.732280
	May 24, 2011	0.726843
Apr 25, 2011 May 25, 2011	Jun 24, 2011	0.722650
Jun 27, 2011	Jul 22, 2011	0.720422
Jul 25, 2011	Aug 24, 2011	0.716654
Aug 25, 2011	Sep 23, 2011	0.708189
Aug 23, 2011	3ep 23, 2011	0.707570

1A60 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.701844
Oct 25, 2011	Nov 23, 2011	0.687957
Nov 25, 2011	Dec 23, 2011	0.686169
Dec 27, 2011	Jan 24, 2012	0.685905
Jan 25, 2012	Feb 24, 2012	0.683842
Feb 27, 2012	Mar 23, 2012	0.683413
Mar 26, 2012	Apr 24, 2012	0.671851
Apr 25, 2012	May 24, 2012	0.662374
May 25, 2012	Jun 22, 2012	0.658342
Jun 25, 2012	Jul 24, 2012	0.654551
Jul 25, 2012	Aug 24, 2012	0.651467
Aug 27, 2012	Sep 24, 2012	0.648685
Sep 25, 2012	Oct 24, 2012	0.643498
Oct 25, 2012	Nov 23, 2012	0.639141
Nov 26, 2012	Dec 24, 2012	0.630862
Dec 26, 2012	Jan 24, 2013	0.623777
Jan 25, 2013	Feb 22, 2013	0.617361
Feb 25, 2013	Mar 22, 2013	0.616047
Mar 25, 2013 Apr 25, 2013	Apr 24, 2013 May 24, 2013	0.612144
May 28, 2013	Jun 24, 2013	0.610589
Jun 25, 2013	Jul 24, 2013	0.606566
Jul 25, 2013	Aug 23, 2013	0.590443
Aug 26, 2013	Sep 24, 2013	0.584078
Sep 25, 2013	Oct 24, 2013	0.581036
Oct 25, 2013	Nov 22, 2013	0.578965 0.575048
Nov 25, 2013	Dec 24, 2013	0.571120
Dec 26, 2013	Jan 24, 2014	0.570098
Jan 27, 2014	Feb 24, 2014	0.561111
Feb 25, 2014	Mar 24, 2014	0.555384
Mar 25, 2014	Apr 24, 2014	0.555156
Apr 25, 2014	May 23, 2014	0.554308
May 27, 2014	Jun 24, 2014	0.554308
Jun 25, 2014	Jul 24, 2014	0.551346
Jul 25, 2014	Aug 22, 2014	0.542336
Aug 25, 2014	Sep 24, 2014	0.534659
Sep 25, 2014	Oct 24, 2014	0.532989
Oct 27, 2014	Nov 24, 2014	0.530716
Nov 25, 2014	Dec 24, 2014	0.521285
Dec 26, 2014	Jan 23, 2015	0.518808
Jan 26, 2015	Feb 24, 2015	0.514458
Feb 25, 2015	Mar 24, 2015	0.514458
Mar 25, 2015	Apr 24, 2015	0.511062
Apr 27, 2015	May 22, 2015	0.504842
May 26, 2015	Jun 24, 2015	0.502200
Jun 25, 2015		0.498911

1A61 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	0.000000
Aug 27, 2007	Sep 24, 2007	0.000000
Sep 25, 2007	Oct 24, 2007	0.000000
Oct 25, 2007	Nov 23, 2007	0.00000
Nov 26, 2007	Dec 24, 2007	0.00000
Dec 26, 2007	Jan 24, 2008	0.000000
Jan 25, 2008	Feb 22, 2008	0.000000
Feb 25, 2008	Mar 24, 2008	0.000000
Mar 25, 2008	Apr 24, 2008	0.000000
Apr 25, 2008	May 23, 2008	
May 27, 2008	Jun 24, 2008	0.000000
Jun 25, 2008	Jul 24, 2008	0.000000
Jul 25, 2008	Aug 22, 2008	0.000000
Aug 25, 2008	Sep 24, 2008	0.000000
Sep 25, 2008	Oct 24, 2008	0.000000
Oct 27, 2008	Nov 24, 2008	0.000000
Nov 25, 2008	Dec 24, 2008	0.000000
	Jan 23, 2009	0.000000
Dec 26, 2008		0.000000
Jan 26, 2009	Feb 24, 2009	0.000000
Feb 25, 2009	Mar 24, 2009	0.000000
Mar 25, 2009	Apr 24, 2009	0.000000
Apr 27, 2009	May 22, 2009	0.000000
May 26, 2009	Jun 24, 2009	0.000000
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Aug 25, 2011	Sep 23, 2011	0.000000

1A61 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013 Mar 25, 2013	Mar 22, 2013 Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A62 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997867
Sep 25, 2007	Oct 24, 2007	0.989233
Oct 25, 2007	Nov 23, 2007	0.985019
Nov 26, 2007	Dec 24, 2007	0.977917
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	0.977289
Feb 25, 2008	Mar 24, 2008	0.969687
Mar 25, 2008	Apr 24, 2008	0.960801
Apr 25, 2008	May 23, 2008	0.955785
May 27, 2008	Jun 24, 2008	0.945137
Jun 25, 2008	Jul 24, 2008	0.939725
Jul 25, 2008	Aug 22, 2008	0.927190
	Sep 24, 2008	0.915327
Aug 25, 2008	· · · · · · · · · · · · · · · · · · ·	0.912632
Sep 25, 2008	Oct 24, 2008	0.911411
Oct 27, 2008	Nov 24, 2008	0.910280
Nov 25, 2008	Dec 24, 2008	0.906808
Dec 26, 2008	Jan 23, 2009	0.902797
Jan 26, 2009	Feb 24, 2009	0.898645
Feb 25, 2009	Mar 24, 2009	0.890927
Mar 25, 2009	Apr 24, 2009	0.886478
Apr 27, 2009	May 22, 2009	0.880423
May 26, 2009	Jun 24, 2009	0.874869
Jun 25, 2009	Jul 24, 2009	0.873341
Jul 27, 2009	Aug 24, 2009	0.859863
Aug 25, 2009	Sep 24, 2009	0.849898
Sep 25, 2009	Oct 23, 2009	0.842974
Oct 26, 2009	Nov 24, 2009	0.836327
Nov 25, 2009	Dec 24, 2009	0.830968
Dec 28, 2009	Jan 22, 2010	0.823475
Jan 25, 2010	Feb 24, 2010	0.821559
Feb 25, 2010	Mar 24, 2010	0.814877
Mar 25, 2010	Apr 23, 2010	0.811411
Apr 26, 2010	May 24, 2010	0.800665
May 25, 2010	Jun 24, 2010	0.798187
Jun 25, 2010	Jul 23, 2010	0.792881
Jul 26, 2010	Aug 24, 2010	0.790742
Aug 25, 2010	Sep 24, 2010	0.779145
Sep 27, 2010	Oct 22, 2010	0.774342
Oct 25, 2010	Nov 24, 2010	0.767875
Nov 26, 2010	Dec 23, 2010	0.758689
Dec 27, 2010	Jan 24, 2011	0.757962
Jan 25, 2011	Feb 24, 2011	0.738694
Feb 25, 2011	Mar 24, 2011	0.732280
Mar 25, 2011	Apr 22, 2011	0.726843
Apr 25, 2011	May 24, 2011	0.722650
May 25, 2011	Jun 24, 2011	0.720422
Jun 27, 2011	Jul 22, 2011	0.716654
Jul 25, 2011	Aug 24, 2011	0.708189
Aug 25, 2011	Sep 23, 2011	0.707570

1A62 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.701844
Oct 25, 2011	Nov 23, 2011	0.687957
Nov 25, 2011	Dec 23, 2011	0.686169
Dec 27, 2011	Jan 24, 2012	0.685905
Jan 25, 2012	Feb 24, 2012	0.683842
Feb 27, 2012	Mar 23, 2012	0.683413
Mar 26, 2012	Apr 24, 2012	0.671851
Apr 25, 2012	May 24, 2012	0.662374
May 25, 2012	Jun 22, 2012	0.658342
Jun 25, 2012	Jul 24, 2012	0.654551
Jul 25, 2012	Aug 24, 2012	0.654551
Aug 27, 2012	Sep 24, 2012	0.654551
Sep 25, 2012	Oct 24, 2012	0.654551
Oct 25, 2012	Nov 23, 2012	0.654551
Nov 26, 2012	Dec 24, 2012	0.654551
Dec 26, 2012	Jan 24, 2013	0.654551
Jan 25, 2013	Feb 22, 2013	0.654551
Feb 25, 2013	Mar 22, 2013	0.654551
Mar 25, 2013	Apr 24, 2013	0.654551
Apr 25, 2013	May 24, 2013	0.654551
May 28, 2013	Jun 24, 2013	0.654551
Jun 25, 2013	Jul 24, 2013	0.654551
Jul 25, 2013	Aug 23, 2013	0.654551
Aug 26, 2013	Sep 24, 2013	0.654551
Sep 25, 2013	Oct 24, 2013	0.654551
Oct 25, 2013	Nov 22, 2013	0.654551
Nov 25, 2013	Dec 24, 2013	0.654551
Dec 26, 2013	Jan 24, 2014	0.654551
Jan 27, 2014	Feb 24, 2014	0.654551
Feb 25, 2014	Mar 24, 2014	0.654551
Mar 25, 2014	Apr 24, 2014	0.654551
Apr 25, 2014	May 23, 2014	0.654551
May 27, 2014	Jun 24, 2014	0.654551
Jun 25, 2014	Jul 24, 2014	0.654551
Jul 25, 2014	Aug 22, 2014	0.654551
Aug 25, 2014	Sep 24, 2014	0.654551
Sep 25, 2014	Oct 24, 2014	0.654551
Oct 27, 2014	Nov 24, 2014	0.654551
Nov 25, 2014	Dec 24, 2014	0.654551
Dec 26, 2014	Jan 23, 2015	0.654551
Jan 26, 2015	Feb 24, 2015	0.654551
Feb 25, 2015	Mar 24, 2015	0.654551
Mar 25, 2015	Apr 24, 2015	0.654551
Apr 27, 2015	May 22, 2015	0.654551
May 26, 2015	Jun 24, 2015	0.654551
Jun 25, 2015		0.654551

1A63 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	0.000000
Aug 27, 2007	Sep 24, 2007	0.000000
Sep 25, 2007	Oct 24, 2007	0.000000
Oct 25, 2007	Nov 23, 2007	0.000000
Nov 26, 2007	Dec 24, 2007	0.000000
Dec 26, 2007	Jan 24, 2008	0.000000
Jan 25, 2008	Feb 22, 2008	0.000000
Feb 25, 2008	Mar 24, 2008	0.000000
Mar 25, 2008	Apr 24, 2008	0.000000
Apr 25, 2008	May 23, 2008	0.000000
May 27, 2008	Jun 24, 2008	0.000000
Jun 25, 2008	Jul 24, 2008	0.000000
Jul 25, 2008	Aug 22, 2008	0.000000
Aug 25, 2008	Sep 24, 2008	0.000000
Sep 25, 2008	Oct 24, 2008	0.000000
Oct 27, 2008	Nov 24, 2008	0.000000
Nov 25, 2008	Dec 24, 2008	0.000000
Dec 26, 2008	Jan 23, 2009	0.000000
Jan 26, 2009	Feb 24, 2009	0.000000
Feb 25, 2009	Mar 24, 2009	0.000000
Mar 25, 2009	Apr 24, 2009	0.000000
Apr 27, 2009	May 22, 2009	0.000000
May 26, 2009	Jun 24, 2009	0.000000
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010 Sep 27, 2010	Sep 24, 2010 Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Aug 25, 2011	Sep 23, 2011	0.000000

1A63 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A64 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997867
Sep 04, 2007	Sep 28, 2007	0.989233
Oct 01, 2007	Oct 31, 2007	0.985019
Nov 01, 2007	Nov 30, 2007	0.977917
Dec 03, 2007	Dec 31, 2007	0.977289
Jan 02, 2008	Jan 31, 2008	0.969687
Feb 01, 2008	Feb 29, 2008	0.960801
Mar 03, 2008	Mar 31, 2008	0.955785
Apr 01, 2008	Apr 30, 2008	0.945137
May 01, 2008	May 30, 2008	
Jun 02, 2008	Jun 30, 2008	0.939725
Jul 01, 2008	Jul 31, 2008	0.927190
Aug 01, 2008	Aug 29, 2008	0.915327
Sep 02, 2008	Sep 30, 2008	0.912632
Oct 01, 2008	Oct 31, 2008	0.911411
Nov 03, 2008	Nov 28, 2008	0.910280
Dec 01, 2008	Dec 31, 2008	0.906808
Jan 02, 2009	Jan 30, 2009	0.902797
Feb 02, 2009	Feb 27, 2009	0.898645
Mar 02, 2009	Mar 31, 2009	0.890927
	-	0.886478
Apr 01, 2009	Apr 30, 2009	0.880423
May 01, 2009	May 29, 2009	0.874869
Jun 01, 2009	Jun 30, 2009	0.873341
Jul 01, 2009	Jul 31, 2009	0.859863
Aug 03, 2009	Aug 31, 2009	0.849898
Sep 01, 2009	Sep 30, 2009	0.842974
Oct 01, 2009	Oct 30, 2009	0.836327
Nov 02, 2009	Nov 30, 2009	0.830968
Dec 01, 2009	Dec 31, 2009	0.823475
Jan 04, 2010	Jan 29, 2010	0.821559
Feb 01, 2010	Feb 26, 2010	0.814877
Mar 01, 2010 Apr 01, 2010	Mar 31, 2010	0.811411
	Apr 30, 2010 May 28, 2010	0.800665
May 03, 2010 Jun 01, 2010	Jun 30, 2010	0.798187
Jul 01, 2010	Jul 30, 2010	0.792881
Aug 02, 2010	Aug 31, 2010	0.790742
Sep 01, 2010	Sep 30, 2010	0.779145
Oct 01, 2010	Oct 29, 2010	0.774342
Nov 01, 2010	Nov 30, 2010	0.767875
Dec 01, 2010	Dec 31, 2010	0.758689
Jan 03, 2011	Jan 31, 2011	0.757962
Feb 01, 2011	Feb 28, 2011	0.738694
Mar 01, 2011	Mar 31, 2011	0.732280
Apr 01, 2011	Apr 29, 2011	0.726843
May 02, 2011	May 31, 2011	0.722650
Jun 01, 2011	Jun 30, 2011	0.720422
Jul 01, 2011	Jul 29, 2011	0.716654
Aug 01, 2011	Aug 31, 2011	0.708189
	3 , -	0.707370

1A64 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.701844
Oct 03, 2011	Oct 31, 2011	0.687957
Nov 01, 2011	Nov 30, 2011	0.686169
Dec 01, 2011	Dec 30, 2011	0.685905
Jan 03, 2012	Jan 31, 2012	0.683842
Feb 01, 2012	Feb 29, 2012	0.683413
Mar 01, 2012	Mar 30, 2012	0.671851
Apr 02, 2012	Apr 30, 2012	0.662374
May 01, 2012	May 31, 2012	0.658342
Jun 01, 2012	Jun 29, 2012	0.654551
Jul 02, 2012	Jul 31, 2012	0.651467
Aug 01, 2012	Aug 31, 2012	0.648685
Sep 04, 2012	Sep 28, 2012	0.643498
Oct 01, 2012	Oct 31, 2012	0.639141
Nov 01, 2012	Nov 30, 2012	0.630862
Dec 03, 2012	Dec 31, 2012	0.623777
Jan 02, 2013	Jan 31, 2013	0.617361
Feb 01, 2013	Feb 28, 2013	0.616047
Mar 01, 2013	Mar 29, 2013	0.612144
Apr 01, 2013	Apr 30, 2013	0.610589
May 01, 2013	May 31, 2013	0.606566
Jun 03, 2013	Jun 28, 2013	0.590443
Jul 01, 2013	Jul 31, 2013	0.584078
Aug 01, 2013	Aug 30, 2013	0.581036
Sep 03, 2013	Sep 30, 2013	0.578965
Oct 01, 2013	Oct 31, 2013	0.575048
Nov 01, 2013	Nov 29, 2013	0.571120
Dec 02, 2013	Dec 31, 2013	0.570098
Jan 02, 2014	Jan 31, 2014	0.561111
Feb 03, 2014	Feb 28, 2014	0.555384
Mar 03, 2014	Mar 31, 2014	0.555156
Apr 01, 2014	Apr 30, 2014	0.554308
May 01, 2014	May 30, 2014	0.554308
Jun 02, 2014	Jun 30, 2014	0.551346
Jul 01, 2014	Jul 31, 2014	0.542336
Aug 01, 2014	Aug 29, 2014	0.534659
Sep 02, 2014	Sep 30, 2014	0.532989
Oct 01, 2014	Oct 31, 2014	0.530716
Nov 03, 2014	Nov 28, 2014	0.521285
Dec 01, 2014	Dec 31, 2014	0.518808
Jan 02, 2015	Jan 30, 2015	0.514458
Feb 02, 2015	Feb 27, 2015	0.514458
Mar 02, 2015	Mar 31, 2015	0.511062
Apr 01, 2015	Apr 30, 2015	0.504842
May 01, 2015	May 29, 2015	0.502200
Jun 01, 2015		0.498911

1A65 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997867
Sep 04, 2007	Sep 28, 2007	0.989233
Oct 01, 2007	Oct 31, 2007	0.985019
Nov 01, 2007	Nov 30, 2007	0.977917
Dec 03, 2007	Dec 31, 2007	0.977289
Jan 02, 2008	Jan 31, 2008	0.969687
Feb 01, 2008	Feb 29, 2008	0.960801
Mar 03, 2008	Mar 31, 2008	0.955785
Apr 01, 2008	Apr 30, 2008	0.945137
May 01, 2008	May 30, 2008	0.939725
Jun 02, 2008	Jun 30, 2008	0.927190
Jul 01, 2008	Jul 31, 2008	0.915327
Aug 01, 2008	Aug 29, 2008	0.912632
Sep 02, 2008	Sep 30, 2008	0.911411
Oct 01, 2008	Oct 31, 2008	0.910280
Nov 03, 2008	Nov 28, 2008	0.906808
Dec 01, 2008	Dec 31, 2008	0.902797
Jan 02, 2009	Jan 30, 2009	0.898645
Feb 02, 2009	Feb 27, 2009	0.890927
Mar 02, 2009	Mar 31, 2009	0.886478
Apr 01, 2009	Apr 30, 2009	0.880423
May 01, 2009	May 29, 2009	0.874869
Jun 01, 2009	Jun 30, 2009	0.873341
Jul 01, 2009	Jul 31, 2009	0.859863
Aug 03, 2009	Aug 31, 2009	0.849898
Sep 01, 2009	Sep 30, 2009	0.842974
Oct 01, 2009	Oct 30, 2009	0.836327
Nov 02, 2009	Nov 30, 2009	0.830968
Dec 01, 2009	Dec 31, 2009	0.823475
Jan 04, 2010	Jan 29, 2010	0.821559
Feb 01, 2010	Feb 26, 2010	0.814877
Mar 01, 2010	Mar 31, 2010	0.811411
Apr 01, 2010	Apr 30, 2010	0.800665
May 03, 2010	May 28, 2010	0.798187
Jun 01, 2010	Jun 30, 2010	0.792881
Jul 01, 2010	Jul 30, 2010	0.790742
Aug 02, 2010	Aug 31, 2010	0.779145
Sep 01, 2010	Sep 30, 2010	0.774342
Oct 01, 2010	Oct 29, 2010	0.767875
Nov 01, 2010	Nov 30, 2010	0.758689
Dec 01, 2010	Dec 31, 2010	0.757962
Jan 03, 2011	Jan 31, 2011	0.738694
Feb 01, 2011	Feb 28, 2011	0.732280
Mar 01, 2011	Mar 31, 2011	0.726843
Apr 01, 2011	Apr 29, 2011	0.722650
May 02, 2011	May 31, 2011	0.720422
Jun 01, 2011	Jun 30, 2011	0.716654
Jul 01, 2011	Jul 29, 2011	0.708189
Aug 01, 2011	Aug 31, 2011	0.707570

1A65 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.701844
Oct 03, 2011	Oct 31, 2011	0.687957
Nov 01, 2011	Nov 30, 2011	0.686169
Dec 01, 2011	Dec 30, 2011	0.685905
Jan 03, 2012	Jan 31, 2012	0.683842
Feb 01, 2012	Feb 29, 2012	0.683413
Mar 01, 2012	Mar 30, 2012	0.671851
Apr 02, 2012	Apr 30, 2012	0.662374
May 01, 2012	May 31, 2012	0.658342
Jun 01, 2012	Jun 29, 2012	0.654551
Jul 02, 2012	Jul 31, 2012	0.654551
Aug 01, 2012	Aug 31, 2012	0.654551
Sep 04, 2012	Sep 28, 2012	0.654551
Oct 01, 2012	Oct 31, 2012	0.654551
Nov 01, 2012	Nov 30, 2012	0.654551
Dec 03, 2012	Dec 31, 2012	0.654551
Jan 02, 2013	Jan 31, 2013	0.654551
Feb 01, 2013	Feb 28, 2013	0.654551
Mar 01, 2013	Mar 29, 2013	0.654551
Apr 01, 2013	Apr 30, 2013	0.654551
May 01, 2013	May 31, 2013	0.654551
Jun 03, 2013	Jun 28, 2013	0.654551
Jul 01, 2013	Jul 31, 2013	0.654551
Aug 01, 2013	Aug 30, 2013	0.654551
Sep 03, 2013	Sep 30, 2013	0.654551
Oct 01, 2013	Oct 31, 2013	0.654551
Nov 01, 2013	Nov 29, 2013	0.654551
Dec 02, 2013	Dec 31, 2013	0.654551
Jan 02, 2014	Jan 31, 2014	0.654551
Feb 03, 2014	Feb 28, 2014	0.654551
Mar 03, 2014	Mar 31, 2014	0.654551
Apr 01, 2014	Apr 30, 2014	0.654551
May 01, 2014	May 30, 2014	0.654551
Jun 02, 2014	Jun 30, 2014	0.654551
Jul 01, 2014	Jul 31, 2014	0.654551
Aug 01, 2014	Aug 29, 2014	0.654551
Sep 02, 2014	Sep 30, 2014	0.654551
Oct 01, 2014	Oct 31, 2014	0.654551
Nov 03, 2014	Nov 28, 2014	0.654551
Dec 01, 2014	Dec 31, 2014	0.654551
Jan 02, 2015	Jan 30, 2015	0.654551
Feb 02, 2015	Feb 27, 2015	0.654551
Mar 02, 2015	Mar 31, 2015	0.654551
Apr 01, 2015	Apr 30, 2015	0.654551
May 01, 2015	May 29, 2015	0.654551
Jun 01, 2015		0.654551

1A66 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997867
Sep 04, 2007	Sep 28, 2007	0.989233
Oct 01, 2007	Oct 31, 2007	0.985019
Nov 01, 2007	Nov 30, 2007	0.977917
Dec 03, 2007	Dec 31, 2007	0.977289
Jan 02, 2008	Jan 31, 2008	0.969687
Feb 01, 2008	Feb 29, 2008	0.960801
Mar 03, 2008	Mar 31, 2008	0.955785
Apr 01, 2008	Apr 30, 2008	0.945137
May 01, 2008	May 30, 2008	
Jun 02, 2008	Jun 30, 2008	0.939725
Jul 01, 2008	Jul 31, 2008	0.927190
Aug 01, 2008	Aug 29, 2008	0.915327
Sep 02, 2008	Sep 30, 2008	0.912632
Oct 01, 2008	Oct 31, 2008	0.911411
Nov 03, 2008	Nov 28, 2008	0.910280
Dec 01, 2008	Dec 31, 2008	0.906808
Jan 02, 2009	Jan 30, 2009	0.902797
Feb 02, 2009	Feb 27, 2009	0.898645
Mar 02, 2009	Mar 31, 2009	0.890927
	-	0.886478
Apr 01, 2009	Apr 30, 2009	0.880423
May 01, 2009	May 29, 2009	0.874869
Jun 01, 2009	Jun 30, 2009	0.873341
Jul 01, 2009	Jul 31, 2009	0.859863
Aug 03, 2009	Aug 31, 2009	0.849898
Sep 01, 2009	Sep 30, 2009	0.842974
Oct 01, 2009	Oct 30, 2009	0.836327
Nov 02, 2009	Nov 30, 2009	0.830968
Dec 01, 2009	Dec 31, 2009	0.823475
Jan 04, 2010	Jan 29, 2010	0.821559
Feb 01, 2010	Feb 26, 2010	0.814877
Mar 01, 2010 Apr 01, 2010	Mar 31, 2010	0.811411
	Apr 30, 2010 May 28, 2010	0.800665
May 03, 2010 Jun 01, 2010	Jun 30, 2010	0.798187
Jul 01, 2010	Jul 30, 2010	0.792881
Aug 02, 2010	Aug 31, 2010	0.790742
Sep 01, 2010	Sep 30, 2010	0.779145
Oct 01, 2010	Oct 29, 2010	0.774342
Nov 01, 2010	Nov 30, 2010	0.767875
Dec 01, 2010	Dec 31, 2010	0.758689
Jan 03, 2011	Jan 31, 2011	0.757962
Feb 01, 2011	Feb 28, 2011	0.738694
Mar 01, 2011	Mar 31, 2011	0.732280
Apr 01, 2011	Apr 29, 2011	0.726843
May 02, 2011	May 31, 2011	0.722650
Jun 01, 2011	Jun 30, 2011	0.720422
Jul 01, 2011	Jul 29, 2011	0.716654
Aug 01, 2011	Aug 31, 2011	0.708189
	3 , -	0.707370

1A66 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.701844
Oct 03, 2011	Oct 31, 2011	0.687957
Nov 01, 2011	Nov 30, 2011	0.686169
Dec 01, 2011	Dec 30, 2011	0.685905
Jan 03, 2012	Jan 31, 2012	0.683842
Feb 01, 2012	Feb 29, 2012	0.683413
Mar 01, 2012	Mar 30, 2012	0.671851
Apr 02, 2012	Apr 30, 2012	0.662374
May 01, 2012	May 31, 2012	0.658342
Jun 01, 2012	Jun 29, 2012	0.654551
Jul 02, 2012	Jul 31, 2012	0.651583
Aug 01, 2012	Aug 31, 2012	0.648905
Sep 04, 2012	Sep 28, 2012	0.643914
Oct 01, 2012	Oct 31, 2012	0.639719
Nov 01, 2012	Nov 30, 2012	0.631752
Dec 03, 2012	Dec 31, 2012	0.624933
Jan 02, 2013	Jan 31, 2013	0.618758
Feb 01, 2013	Feb 28, 2013	0.617493
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.613737
May 01, 2013	May 31, 2013	0.612241
Jun 03, 2013	Jun 28, 2013	0.608369
Jul 01, 2013	Jul 31, 2013	0.592852
Aug 01, 2013	Aug 30, 2013	0.586725
Sep 03, 2013	Sep 30, 2013	0.583798
Oct 01, 2013	Oct 31, 2013	0.581805 0.578035
Nov 01, 2013	Nov 29, 2013	0.574255
Dec 02, 2013	Dec 31, 2013	0.573270
Jan 02, 2014	Jan 31, 2014	0.564622
Feb 03, 2014	Feb 28, 2014	0.559110
Mar 03, 2014	Mar 31, 2014	0.558890
Apr 01, 2014	Apr 30, 2014	0.558074
May 01, 2014	May 30, 2014	0.558074
Jun 02, 2014	Jun 30, 2014	0.555223
Jul 01, 2014	Jul 31, 2014	0.546552
Aug 01, 2014	Aug 29, 2014	0.539163
Sep 02, 2014	Sep 30, 2014	0.537555
Oct 01, 2014	Oct 31, 2014	0.535368
Nov 03, 2014	Nov 28, 2014	0.526292
Dec 01, 2014	Dec 31, 2014	0.523907
Jan 02, 2015	Jan 30, 2015	0.519720
Feb 02, 2015	Feb 27, 2015	0.519720
Mar 02, 2015	Mar 31, 2015	0.516453
Apr 01, 2015	Apr 30, 2015	0.510466
May 01, 2015	May 29, 2015	0.507924
Jun 01, 2015		0.504758

1A67 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997867
Sep 25, 2007	Oct 24, 2007	0.989233
Oct 25, 2007	Nov 23, 2007	0.985019
Nov 26, 2007	Dec 24, 2007	0.977917
Dec 26, 2007	Jan 24, 2008	0.977289
Jan 25, 2008	Feb 22, 2008	0.969687
Feb 25, 2008	Mar 24, 2008	0.960801
Mar 25, 2008	Apr 24, 2008	0.955785
Apr 25, 2008	May 23, 2008	
May 27, 2008	Jun 24, 2008	0.945137
Jun 25, 2008	Jul 24, 2008	0.939725
Jul 25, 2008	Aug 22, 2008	0.927190
Aug 25, 2008	Sep 24, 2008	0.915327
Sep 25, 2008	Oct 24, 2008	0.912632
Oct 27, 2008	Nov 24, 2008	0.911411
Nov 25, 2008	Dec 24, 2008	0.910280
Dec 26, 2008	Jan 23, 2009	0.906808
Jan 26, 2009	Feb 24, 2009	0.902797
		0.898645
Feb 25, 2009	Mar 24, 2009	0.890927
Mar 25, 2009	Apr 24, 2009	0.886478
Apr 27, 2009	May 22, 2009	0.880423
May 26, 2009	Jun 24, 2009	0.874869
Jun 25, 2009	Jul 24, 2009	0.873341
Jul 27, 2009	Aug 24, 2009	0.859863
Aug 25, 2009	Sep 24, 2009	0.849898
Sep 25, 2009	Oct 23, 2009	0.842974
Oct 26, 2009	Nov 24, 2009	0.836327
Nov 25, 2009	Dec 24, 2009	0.830968
Dec 28, 2009	Jan 22, 2010	0.823475
Jan 25, 2010	Feb 24, 2010	0.821559
Feb 25, 2010	Mar 24, 2010	0.814877
Mar 25, 2010	Apr 23, 2010	0.811411
Apr 26, 2010	May 24, 2010	0.800665
May 25, 2010	Jun 24, 2010	0.798187
Jun 25, 2010	Jul 23, 2010	0.792881
Jul 26, 2010	Aug 24, 2010	0.790742
Aug 25, 2010	Sep 24, 2010	0.779145
Sep 27, 2010	Oct 22, 2010	0.774342
Oct 25, 2010	Nov 24, 2010	0.767875
Nov 26, 2010	Dec 23, 2010	0.758689
Dec 27, 2010	Jan 24, 2011	0.757962
Jan 25, 2011	Feb 24, 2011	0.738694
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.732280
	May 24, 2011	0.726843
Apr 25, 2011 May 25, 2011	Jun 24, 2011	0.722650
Jun 27, 2011	Jul 22, 2011	0.720422
Jul 25, 2011	Aug 24, 2011	0.716654
Aug 25, 2011	Sep 23, 2011	0.708189
Aug 23, 2011	3ep 23, 2011	0.707570

1A67 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.701844
Oct 25, 2011	Nov 23, 2011	0.687957
Nov 25, 2011	Dec 23, 2011	0.686169
Dec 27, 2011	Jan 24, 2012	0.685905
Jan 25, 2012	Feb 24, 2012	0.683842
Feb 27, 2012	Mar 23, 2012	0.683413
Mar 26, 2012	Apr 24, 2012	0.671851
Apr 25, 2012	May 24, 2012	0.662374
May 25, 2012	Jun 22, 2012	0.658342
Jun 25, 2012	Jul 24, 2012	0.654551
Jul 25, 2012	Aug 24, 2012	0.651467
Aug 27, 2012	Sep 24, 2012	0.648685
Sep 25, 2012	Oct 24, 2012	0.643498
Oct 25, 2012	Nov 23, 2012	0.639141
Nov 26, 2012	Dec 24, 2012	0.630862
Dec 26, 2012	Jan 24, 2013	0.623777
Jan 25, 2013	Feb 22, 2013	0.617361
Feb 25, 2013	Mar 22, 2013	0.616047
Mar 25, 2013	Apr 24, 2013	0.612144
Apr 25, 2013	May 24, 2013	0.610589
May 28, 2013	Jun 24, 2013	0.606566
Jun 25, 2013	Jul 24, 2013	0.590443
Jul 25, 2013	Aug 23, 2013	0.584078
Aug 26, 2013	Sep 24, 2013	0.581036
Sep 25, 2013	Oct 24, 2013	0.578965
Oct 25, 2013	Nov 22, 2013	0.575048
Nov 25, 2013	Dec 24, 2013	0.571120
Dec 26, 2013	Jan 24, 2014	0.570098
Jan 27, 2014	Feb 24, 2014	0.561111
Feb 25, 2014	Mar 24, 2014	0.555384
Mar 25, 2014	Apr 24, 2014	0.555156
Apr 25, 2014	May 23, 2014	0.554308
May 27, 2014	Jun 24, 2014	0.554308
Jun 25, 2014	Jul 24, 2014	0.551346
Jul 25, 2014	Aug 22, 2014	0.542336
Aug 25, 2014	Sep 24, 2014	0.534659
Sep 25, 2014	Oct 24, 2014	0.532989
Oct 27, 2014	Nov 24, 2014	0.530716
Nov 25, 2014	Dec 24, 2014	0.521285
Dec 26, 2014	Jan 23, 2015	0.518808
Jan 26, 2015	Feb 24, 2015	0.514458
Feb 25, 2015	Mar 24, 2015	0.514458
Mar 25, 2015	Apr 24, 2015	0.511062
Apr 27, 2015	May 22, 2015	0.504842
May 26, 2015	Jun 24, 2015	0.502200
Jun 25, 2015		0.498911

1A68 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.997867
Sep 25, 2007	Oct 24, 2007	0.989233
Oct 25, 2007	Nov 23, 2007	0.985019
Nov 26, 2007	Dec 24, 2007	0.977917
Dec 26, 2007	Jan 24, 2008	0.977289
Jan 25, 2008	Feb 22, 2008	0.969687
Feb 25, 2008	Mar 24, 2008	0.960801
Mar 25, 2008	Apr 24, 2008	0.955785
Apr 25, 2008	May 23, 2008	
May 27, 2008	Jun 24, 2008	0.945137
Jun 25, 2008	Jul 24, 2008	0.939725
Jul 25, 2008	Aug 22, 2008	0.927190
Aug 25, 2008	Sep 24, 2008	0.915327
Sep 25, 2008	Oct 24, 2008	0.912632
Oct 27, 2008	Nov 24, 2008	0.911411
Nov 25, 2008	Dec 24, 2008	0.910280
Dec 26, 2008	Jan 23, 2009	0.906808
Jan 26, 2009	Feb 24, 2009	0.902797
		0.898645
Feb 25, 2009	Mar 24, 2009	0.890927
Mar 25, 2009	Apr 24, 2009	0.886478
Apr 27, 2009	May 22, 2009	0.880423
May 26, 2009	Jun 24, 2009	0.874869
Jun 25, 2009	Jul 24, 2009	0.873341
Jul 27, 2009	Aug 24, 2009	0.859863
Aug 25, 2009	Sep 24, 2009	0.849898
Sep 25, 2009	Oct 23, 2009	0.842974
Oct 26, 2009	Nov 24, 2009	0.836327
Nov 25, 2009	Dec 24, 2009	0.830968
Dec 28, 2009	Jan 22, 2010	0.823475
Jan 25, 2010	Feb 24, 2010	0.821559
Feb 25, 2010	Mar 24, 2010	0.814877
Mar 25, 2010	Apr 23, 2010	0.811411
Apr 26, 2010	May 24, 2010	0.800665
May 25, 2010	Jun 24, 2010	0.798187
Jun 25, 2010	Jul 23, 2010	0.792881
Jul 26, 2010	Aug 24, 2010	0.790742
Aug 25, 2010	Sep 24, 2010	0.779145
Sep 27, 2010	Oct 22, 2010	0.774342
Oct 25, 2010	Nov 24, 2010	0.767875
Nov 26, 2010	Dec 23, 2010	0.758689
Dec 27, 2010	Jan 24, 2011	0.757962
Jan 25, 2011	Feb 24, 2011	0.738694
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.732280
	May 24, 2011	0.726843
Apr 25, 2011 May 25, 2011	Jun 24, 2011	0.722650
Jun 27, 2011	Jul 22, 2011	0.720422
Jul 25, 2011	Aug 24, 2011	0.716654
Aug 25, 2011	Sep 23, 2011	0.708189
Aug 23, 2011	3ep 23, 2011	0.707570

1A68 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.701844
Oct 25, 2011	Nov 23, 2011	0.687957
Nov 25, 2011	Dec 23, 2011	0.686169
Dec 27, 2011	Jan 24, 2012	0.685905
Jan 25, 2012	Feb 24, 2012	0.683842
Feb 27, 2012	Mar 23, 2012	0.683413
Mar 26, 2012	Apr 24, 2012	0.671851
Apr 25, 2012	May 24, 2012	0.662374
May 25, 2012	Jun 22, 2012	0.658342
Jun 25, 2012	Jul 24, 2012	0.654551
Jul 25, 2012	Aug 24, 2012	0.651467
Aug 27, 2012	Sep 24, 2012	0.648685
Sep 25, 2012	Oct 24, 2012	0.643498
Oct 25, 2012	Nov 23, 2012	0.639141
Nov 26, 2012	Dec 24, 2012	0.630862
Dec 26, 2012	Jan 24, 2013	0.623777
Jan 25, 2013	Feb 22, 2013	0.617361
Feb 25, 2013	Mar 22, 2013 Apr 24, 2013	0.616047
Mar 25, 2013 Apr 25, 2013	May 24, 2013	0.612144
May 28, 2013	Jun 24, 2013	0.610589
Jun 25, 2013	Jul 24, 2013	0.606566
Jul 25, 2013	Aug 23, 2013	0.590443
Aug 26, 2013	Sep 24, 2013	0.584078
Sep 25, 2013	Oct 24, 2013	0.581036
Oct 25, 2013	Nov 22, 2013	0.578965 0.575048
Nov 25, 2013	Dec 24, 2013	0.571120
Dec 26, 2013	Jan 24, 2014	0.570098
Jan 27, 2014	Feb 24, 2014	0.561111
Feb 25, 2014	Mar 24, 2014	0.555384
Mar 25, 2014	Apr 24, 2014	0.555156
Apr 25, 2014	May 23, 2014	0.554308
May 27, 2014	Jun 24, 2014	0.554308
Jun 25, 2014	Jul 24, 2014	0.551346
Jul 25, 2014	Aug 22, 2014	0.542336
Aug 25, 2014	Sep 24, 2014	0.534659
Sep 25, 2014	Oct 24, 2014	0.532989
Oct 27, 2014	Nov 24, 2014	0.530716
Nov 25, 2014	Dec 24, 2014	0.521285
Dec 26, 2014	Jan 23, 2015	0.518808
Jan 26, 2015	Feb 24, 2015	0.514458
Feb 25, 2015	Mar 24, 2015	0.514458
Mar 25, 2015	Apr 24, 2015	0.511062
Apr 27, 2015	May 22, 2015	0.504842
May 26, 2015	Jun 24, 2015	0.502200
Jun 25, 2015		0.498911

1A69 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	0.000000
Aug 27, 2007	Sep 24, 2007	0.000000
Sep 25, 2007	Oct 24, 2007	0.000000
Oct 25, 2007	Nov 23, 2007	0.00000
Nov 26, 2007	Dec 24, 2007	0.00000
Dec 26, 2007	Jan 24, 2008	0.000000
Jan 25, 2008	Feb 22, 2008	0.000000
Feb 25, 2008	Mar 24, 2008	0.000000
Mar 25, 2008	Apr 24, 2008	0.000000
Apr 25, 2008	May 23, 2008	
May 27, 2008	Jun 24, 2008	0.000000
Jun 25, 2008	Jul 24, 2008	0.000000
Jul 25, 2008	Aug 22, 2008	0.000000
Aug 25, 2008	Sep 24, 2008	0.000000
Sep 25, 2008	Oct 24, 2008	0.000000
Oct 27, 2008	Nov 24, 2008	0.000000
Nov 25, 2008	Dec 24, 2008	0.000000
	Jan 23, 2009	0.000000
Dec 26, 2008		0.000000
Jan 26, 2009	Feb 24, 2009	0.000000
Feb 25, 2009	Mar 24, 2009	0.000000
Mar 25, 2009	Apr 24, 2009	0.000000
Apr 27, 2009	May 22, 2009	0.000000
May 26, 2009	Jun 24, 2009	0.000000
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Aug 25, 2011	Sep 23, 2011	0.000000

1A69 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A70 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	0.00000
Aug 27, 2007	Sep 24, 2007	0.000000
Sep 25, 2007	Oct 24, 2007	0.000000
Oct 25, 2007	Nov 23, 2007	0.000000
Nov 26, 2007	Dec 24, 2007	0.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	0.000000
Feb 25, 2008	Mar 24, 2008	0.000000
Mar 25, 2008	Apr 24, 2008	0.000000
Apr 25, 2008	May 23, 2008	0.000000
May 27, 2008	Jun 24, 2008	0.000000
Jun 25, 2008	Jul 24, 2008	0.000000
Ū.	•	0.000000
Jul 25, 2008	Aug 22, 2008	0.000000
Aug 25, 2008	Sep 24, 2008	0.000000
Sep 25, 2008	Oct 24, 2008	0.000000
Oct 27, 2008	Nov 24, 2008	0.000000
Nov 25, 2008	Dec 24, 2008	0.000000
Dec 26, 2008	Jan 23, 2009	0.000000
Jan 26, 2009	Feb 24, 2009	0.000000
Feb 25, 2009	Mar 24, 2009	0.000000
Mar 25, 2009	Apr 24, 2009	0.000000
Apr 27, 2009	May 22, 2009	0.000000
May 26, 2009	Jun 24, 2009	0.000000
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Aug 25, 2011	Sep 23, 2011	0.000000

1A70 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013 Mar 25, 2013	Mar 22, 2013 Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A71 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.995831
Sep 04, 2007	Sep 28, 2007	0.987238
Oct 01, 2007	Oct 31, 2007	0.982110
Nov 01, 2007	Nov 30, 2007	0.979176
Dec 03, 2007	Dec 31, 2007	0.973097
Jan 02, 2008	Jan 31, 2008	0.965649
Feb 01, 2008	Feb 29, 2008	0.957527
Mar 03, 2008	Mar 31, 2008	0.950301
Apr 01, 2008	Apr 30, 2008	0.940299
May 01, 2008	May 30, 2008	0.929617
Jun 02, 2008	Jun 30, 2008	0.919603
Jul 01, 2008	Jul 31, 2008	0.907345
Aug 01, 2008	Aug 29, 2008	0.900018
Sep 02, 2008	Sep 30, 2008	0.892290
Oct 01, 2008	Oct 31, 2008	0.889295
Nov 03, 2008	Nov 28, 2008	0.877150
Dec 01, 2008	Dec 31, 2008	0.871541
Jan 02, 2009	Jan 30, 2009	0.862896
Feb 02, 2009	Feb 27, 2009	0.850161
Mar 02, 2009	Mar 31, 2009	0.829589
Apr 01, 2009	Apr 30, 2009	0.813620
May 01, 2009	May 29, 2009	0.788938
Jun 01, 2009	Jun 30, 2009	0.766317
Jul 01, 2009	Jul 31, 2009	0.746068
Aug 03, 2009	Aug 31, 2009	0.723146
Sep 01, 2009	Sep 30, 2009	0.712502
Oct 01, 2009	Oct 30, 2009	0.697561
Nov 02, 2009	Nov 30, 2009	0.685651
Dec 01, 2009	Dec 31, 2009	0.671166
Jan 04, 2010	Jan 29, 2010	0.654092
Feb 01, 2010	Feb 26, 2010	0.632877
Mar 01, 2010	Mar 31, 2010	0.622969
Apr 01, 2010	Apr 30, 2010	0.608409
May 03, 2010	May 28, 2010	0.596270
Jun 01, 2010	Jun 30, 2010	0.585528
Jul 01, 2010	Jul 30, 2010	0.568190
Aug 02, 2010	Aug 31, 2010	0.546991
Sep 01, 2010	Sep 30, 2010	0.528285
Oct 01, 2010	Oct 29, 2010	0.505628
Nov 01, 2010	Nov 30, 2010	0.482386
Dec 01, 2010 Jan 03, 2011	Dec 31, 2010 Jan 31, 2011	0.459715
Feb 01, 2011	Feb 28, 2011	0.435220
Mar 01, 2011	Mar 31, 2011	0.417783
Apr 01, 2011	Apr 29, 2011	0.403893
May 02, 2011	May 31, 2011	0.385942
Jun 01, 2011	Jun 30, 2011	0.376181
Jul 01, 2011	Jul 29, 2011	0.363302 0.350210
Aug 01, 2011	Aug 31, 2011	0.337953
<u> </u>	J - ,	0.337333

1A71 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.320859
Oct 03, 2011	Oct 31, 2011	0.308010
Nov 01, 2011	Nov 30, 2011	0.297875
Dec 01, 2011	Dec 30, 2011	0.287215
Jan 03, 2012	Jan 31, 2012	0.281779
Feb 01, 2012	Feb 29, 2012	0.278419
Mar 01, 2012	Mar 30, 2012	0.276602
Apr 02, 2012	Apr 30, 2012	0.272258
May 01, 2012	May 31, 2012	0.267123
Jun 01, 2012	Jun 29, 2012	0.264336
Jul 02, 2012	Jul 31, 2012	0.260069
Aug 01, 2012	Aug 31, 2012	0.256086
Sep 04, 2012	Sep 28, 2012	0.251951
Oct 01, 2012	Oct 31, 2012	0.246406
Nov 01, 2012	Nov 30, 2012	0.243625
Dec 03, 2012	Dec 31, 2012	0.241213
Jan 02, 2013	Jan 31, 2013	0.237815
Feb 01, 2013	Feb 28, 2013	0.233152
Mar 01, 2013	Mar 29, 2013	0.230257
Apr 01, 2013	Apr 30, 2013	0.226758
May 01, 2013	May 31, 2013	0.221428
Jun 03, 2013	Jun 28, 2013	0.217993
Jul 01, 2013	Jul 31, 2013	0.213057
Aug 01, 2013	Aug 30, 2013	0.206748
Sep 03, 2013	Sep 30, 2013	0.201927
Oct 01, 2013	Oct 31, 2013	0.199046
Nov 01, 2013	Nov 29, 2013	0.196056
Dec 02, 2013	Dec 31, 2013	0.192811
Jan 02, 2014	Jan 31, 2014	0.190108
Feb 03, 2014	Feb 28, 2014	0.187602
Mar 03, 2014	Mar 31, 2014	0.185818
Apr 01, 2014	Apr 30, 2014	0.182701
May 01, 2014	May 30, 2014	0.179361
Jun 02, 2014	Jun 30, 2014	0.176547
Jul 01, 2014	Jul 31, 2014	0.173843
Aug 01, 2014	Aug 29, 2014	0.171418
Sep 02, 2014	Sep 30, 2014	0.168454
Oct 01, 2014	Oct 31, 2014	0.167365
Nov 03, 2014	Nov 28, 2014	0.164401
Dec 01, 2014	Dec 31, 2014	0.161867
Jan 02, 2015	Jan 30, 2015	0.159366
Feb 02, 2015	Feb 27, 2015	0.157037
Mar 02, 2015	Mar 31, 2015	0.156144
Apr 01, 2015	Apr 30, 2015	0.153821
May 01, 2015	May 29, 2015	0.151587
Jun 01, 2015		0.150159

1A72 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009		1.000000
	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010 Nov 01, 2010	Oct 29, 2010 Nov 30, 2010	1.000000
		1.000000
Dec 01, 2010 Jan 03, 2011	Dec 31, 2010 Jan 31, 2011	1.000000
Feb 01, 2011	-	1.000000
Mar 01, 2011	Feb 28, 2011 Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A72 Certificate Writedown Free Factor Chart

From To Writedown Free F Sep 01, 2011 Sep 30, 2011 1.000000 Oct 03, 2011 Oct 31, 2011 1.000000 Nov 01, 2011 Nov 30, 2011 1.000000 Dec 01, 2011 Dec 30, 2011 1.000000 Jan 03, 2012 Jan 31, 2012 0.981075 Feb 01, 2012 Feb 29, 2012 0.969375 Mar 01, 2012 Mar 30, 2012 0.963050 Apr 02, 2012 Apr 30, 2012 0.947926 May 01, 2012 May 31, 2012 0.930048	
Nov 01, 2011 Nov 30, 2011 1.000000 Dec 01, 2011 Dec 30, 2011 1.000000 Jan 03, 2012 Jan 31, 2012 0.981075 Feb 01, 2012 Feb 29, 2012 0.969375 Mar 01, 2012 Mar 30, 2012 0.963050 Apr 02, 2012 Apr 30, 2012 0.947926 May 01, 2012 May 31, 2012 0.930048	
Dec 01, 2011 Dec 30, 2011 1.000000 Jan 03, 2012 Jan 31, 2012 0.981075 Feb 01, 2012 Feb 29, 2012 0.969375 Mar 01, 2012 Mar 30, 2012 0.963050 Apr 02, 2012 Apr 30, 2012 0.947926 May 01, 2012 May 31, 2012 0.930048	
Jan 03, 2012 Jan 31, 2012 0.981075 Feb 01, 2012 Feb 29, 2012 0.969375 Mar 01, 2012 Mar 30, 2012 0.963050 Apr 02, 2012 Apr 30, 2012 0.947926 May 01, 2012 May 31, 2012 0.930048	
Feb 01, 2012 Feb 29, 2012 0.969375 Mar 01, 2012 Mar 30, 2012 0.963050 Apr 02, 2012 Apr 30, 2012 0.947926 May 01, 2012 May 31, 2012 0.930048	
Mar 01, 2012 Mar 30, 2012 0.963050 Apr 02, 2012 Apr 30, 2012 0.947926 May 01, 2012 May 31, 2012 0.930048	
Apr 02, 2012 Apr 30, 2012 0.947926 May 01, 2012 May 31, 2012 0.930048	
May 01, 2012 May 31, 2012 0.930048	
0.530040	
Jun 01, 2012 Jun 29, 2012 0.920343	
Jul 02, 2012 Jul 31, 2012 0.905485	
Aug 01, 2012 Aug 31, 2012 0.891620	
Sep 04, 2012 Sep 28, 2012 0.877222	
Oct 01, 2012 Oct 31, 2012 0.857916	
Nov 01, 2012 Nov 30, 2012 0.848234	
Dec 03, 2012 Dec 31, 2012 0.839834	
Jan 02, 2013 Jan 31, 2013 0.828003	
Feb 01, 2013 Feb 28, 2013 0.811770 Mar 01, 2013 Mar 29, 2013 0.811600	
Apr. 04, 2012 Apr. 20, 2012	
May 01 2012 May 21 2012	
lun 02 2012 lun 29 2012	
Aug 01 2012 Aug 20 2012	
Com 02 2012	
Oct 01, 2013 Sep 30, 2013 0.703052 Oct 01, 2013 Oct 31, 2013 0.693022	
Nov 01, 2013 Nov 29, 2013 0.682612	
Dec 02, 2013 Dec 31, 2013 0.671314	
Jan 02, 2014 Jan 31, 2014 0.661902	
Feb 03, 2014 Feb 28, 2014 0.653178	
Mar 03, 2014 Mar 31, 2014 0.646966	
Apr 01, 2014 Apr 30, 2014 0.636113	
May 01, 2014 May 30, 2014 0.624484	
Jun 02, 2014 Jun 30, 2014 0.614687	
Jul 01, 2014 Jul 31, 2014 0.605272	
Aug 01, 2014 Aug 29, 2014 0.596827	
Sep 02, 2014 Sep 30, 2014 0.586511	
Oct 01, 2014 Oct 31, 2014 0.582717	
Nov 03, 2014 Nov 28, 2014 0.572399	
Dec 01, 2014 Dec 31, 2014 0.563574	
Jan 02, 2015 Jan 30, 2015 0.554866	
Feb 02, 2015 Feb 27, 2015 0.546759	
Mar 02, 2015 Mar 31, 2015 0.543650	
Apr 01, 2015 Apr 30, 2015 0.535560	
May 01, 2015 May 29, 2015 0.527783	-
Jun 01, 2015 0.522809	

1A73 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.996196
Sep 04, 2007	Sep 28, 2007	0.988354
Oct 01, 2007	Oct 31, 2007	0.983674
Nov 01, 2007	Nov 30, 2007	0.980996
Dec 03, 2007	Dec 31, 2007	0.975449
Jan 02, 2008	Jan 31, 2008	0.968652
Feb 01, 2008	Feb 29, 2008	0.961240
Mar 03, 2008	Mar 31, 2008	0.954646
Apr 01, 2008	Apr 30, 2008	0.945518
May 01, 2008	May 30, 2008	0.935770
Jun 02, 2008	Jun 30, 2008	0.926632
Jul 01, 2008	Jul 31, 2008	0.915444
Aug 01, 2008	Aug 29, 2008	0.908758
Sep 02, 2008	Sep 30, 2008	0.901706
Oct 01, 2008	Oct 31, 2008	0.898973
Nov 03, 2008	Nov 28, 2008	0.887890
Dec 01, 2008	Dec 31, 2008	0.882771
Jan 02, 2009	Jan 30, 2009	0.874882
Feb 02, 2009	Feb 27, 2009	0.863260
Mar 02, 2009	Mar 31, 2009	0.844487
Apr 01, 2009	Apr 30, 2009	0.829913
May 01, 2009	May 29, 2009	0.807389
Jun 01, 2009	Jun 30, 2009	0.786745
Jul 01, 2009	Jul 31, 2009	0.768266
Aug 03, 2009	Aug 31, 2009	0.747348
Sep 01, 2009	Sep 30, 2009	0.737635
Oct 01, 2009	Oct 30, 2009	0.724000
Nov 02, 2009	Nov 30, 2009	0.713131
Dec 01, 2009	Dec 31, 2009	0.699912
Jan 04, 2010	Jan 29, 2010	0.684331
Feb 01, 2010	Feb 26, 2010	0.664971
Mar 01, 2010	Mar 31, 2010	0.655929
Apr 01, 2010	Apr 30, 2010	0.642641
May 03, 2010	May 28, 2010	0.631564
Jun 01, 2010	Jun 30, 2010	0.621761
Jul 01, 2010	Jul 30, 2010	0.605938
Aug 02, 2010	Aug 31, 2010	0.586593
Sep 01, 2010	Sep 30, 2010	0.569522
Oct 01, 2010	Oct 29, 2010	0.548846
Nov 01, 2010	Nov 30, 2010	0.527635
Dec 01, 2010	Dec 31, 2010	0.506946
Jan 03, 2011	Jan 31, 2011	0.484593
Feb 01, 2011	Feb 28, 2011	0.468680
Mar 01, 2011	Mar 31, 2011	0.456005
Apr 01, 2011	Apr 29, 2011	0.439622
May 02, 2011	May 31, 2011	0.430715
Jun 01, 2011	Jun 30, 2011	0.418962
Jul 01, 2011	Jul 29, 2011	0.407014
Aug 01, 2011	Aug 31, 2011	0.395829

1A73 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.380229
Oct 03, 2011	Oct 31, 2011	0.368503
Nov 01, 2011	Nov 30, 2011	0.359255
Dec 01, 2011	Dec 30, 2011	0.349526
Jan 03, 2012	Jan 31, 2012	0.342911
Feb 01, 2012	Feb 29, 2012	0.338822
Mar 01, 2012	Mar 30, 2012	0.336611
Apr 02, 2012	Apr 30, 2012	0.331325
May 01, 2012	May 31, 2012	0.325076
Jun 01, 2012	Jun 29, 2012	0.321684
Jul 02, 2012	Jul 31, 2012	0.316490
Aug 01, 2012	Aug 31, 2012	0.311644
Sep 04, 2012	Sep 28, 2012	0.306612
Oct 01, 2012	Oct 31, 2012	0.299864
Nov 01, 2012	Nov 30, 2012	0.296480
Dec 03, 2012	Dec 31, 2012	0.293544
Jan 02, 2013	Jan 31, 2013	0.289408
Feb 01, 2013	Feb 28, 2013	0.283735
Mar 01, 2013	Mar 29, 2013	0.280211
Apr 01, 2013	Apr 30, 2013	0.275953
May 01, 2013	May 31, 2013	0.269466
Jun 03, 2013	Jun 28, 2013	0.265286
Jul 01, 2013	Jul 31, 2013	0.259280
Aug 01, 2013	Aug 30, 2013	0.251603
Sep 03, 2013	Sep 30, 2013	0.245735
Oct 01, 2013	Oct 31, 2013	0.242229
Nov 01, 2013	Nov 29, 2013	0.238591
Dec 02, 2013	Dec 31, 2013	0.234642
Jan 02, 2014	Jan 31, 2014	0.231352
Feb 03, 2014	Feb 28, 2014	0.228302
Mar 03, 2014	Mar 31, 2014	0.226131
Apr 01, 2014	Apr 30, 2014	0.222338
May 01, 2014	May 30, 2014	0.218273
Jun 02, 2014	Jun 30, 2014	0.214849
Jul 01, 2014	Jul 31, 2014	0.211558
Aug 01, 2014	Aug 29, 2014	0.208607
Sep 02, 2014	Sep 30, 2014	0.205001
Oct 01, 2014	Oct 31, 2014	0.203675
Nov 03, 2014	Nov 28, 2014	0.200068
Dec 01, 2014	Dec 31, 2014	0.196984
Jan 02, 2015	Jan 30, 2015	0.193940
Feb 02, 2015	Feb 27, 2015	0.191106
Mar 02, 2015	Mar 31, 2015	0.190020
Apr 01, 2015	Apr 30, 2015	0.187192
May 01, 2015	May 29, 2015	0.184474
Jun 01, 2015		0.182735

1A74 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A74 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.981075
Feb 01, 2012	Feb 29, 2012	0.969375
Mar 01, 2012	Mar 30, 2012	0.963050
Apr 02, 2012	Apr 30, 2012	0.947926
May 01, 2012	May 31, 2012	0.930048
Jun 01, 2012	Jun 29, 2012	0.920343
Jul 02, 2012	Jul 31, 2012	0.905485
Aug 01, 2012	Aug 31, 2012	0.891620
Sep 04, 2012	Sep 28, 2012	0.877222
Oct 01, 2012	Oct 31, 2012	0.857916
Nov 01, 2012	Nov 30, 2012	0.848234
Dec 03, 2012	Dec 31, 2012	0.839834
Jan 02, 2013	Jan 31, 2013	0.828003
Feb 01, 2013	Feb 28, 2013	0.811770
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.801690
May 01, 2013	May 31, 2013	0.789506
Jun 03, 2013	Jun 28, 2013	0.770948
Jul 01, 2013	Jul 31, 2013	0.758989
Aug 01, 2013	Aug 30, 2013	0.741804
Sep 03, 2013	Sep 30, 2013	0.719839
Oct 01, 2013	Oct 31, 2013	0.703052 0.693022
Nov 01, 2013	Nov 29, 2013	0.682612
Dec 02, 2013	Dec 31, 2013	0.671314
Jan 02, 2014	Jan 31, 2014	0.661902
Feb 03, 2014	Feb 28, 2014	0.653178
Mar 03, 2014	Mar 31, 2014	0.646966
Apr 01, 2014	Apr 30, 2014	0.636113
May 01, 2014	May 30, 2014	0.624484
Jun 02, 2014	Jun 30, 2014	0.614687
Jul 01, 2014	Jul 31, 2014	0.605272
Aug 01, 2014	Aug 29, 2014	0.596827
Sep 02, 2014	Sep 30, 2014	0.586511
Oct 01, 2014	Oct 31, 2014	0.582717
Nov 03, 2014	Nov 28, 2014	0.572399
Dec 01, 2014	Dec 31, 2014	0.563574
Jan 02, 2015	Jan 30, 2015	0.554866
Feb 02, 2015	Feb 27, 2015	0.546759
Mar 02, 2015	Mar 31, 2015	0.543650
Apr 01, 2015	Apr 30, 2015	0.535560
May 01, 2015	May 29, 2015	0.527783
Jun 01, 2015		0.522809

1A75 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.996469
Sep 04, 2007	Sep 28, 2007	0.989190
Oct 01, 2007	Oct 31, 2007	0.984847
Nov 01, 2007	Nov 30, 2007	0.982362
Dec 03, 2007	Dec 31, 2007	0.977213
Jan 02, 2008	Jan 31, 2008	0.970905
Feb 01, 2008	Feb 29, 2008	0.964025
Mar 03, 2008	Mar 31, 2008	0.957905
Apr 01, 2008	Apr 30, 2008	0.949433
May 01, 2008	May 30, 2008	0.940385
Jun 02, 2008	Jun 30, 2008	0.931904
Jul 01, 2008	Jul 31, 2008	0.921520
Aug 01, 2008	Aug 29, 2008	0.915315
Sep 02, 2008	Sep 30, 2008	0.908769
Oct 01, 2008	Oct 31, 2008	0.906232
Nov 03, 2008	Nov 28, 2008	0.895946
Dec 01, 2008	Dec 31, 2008	0.891195
Jan 02, 2009	Jan 30, 2009	0.883872
Feb 02, 2009	Feb 27, 2009	0.873085
Mar 02, 2009	Mar 31, 2009	0.855661
Apr 01, 2009	Apr 30, 2009	0.842135
May 01, 2009	May 29, 2009	0.821229
Jun 01, 2009	Jun 30, 2009	0.802069
Jul 01, 2009	Jul 31, 2009	0.784918
Aug 03, 2009	Aug 31, 2009	0.765503
Sep 01, 2009	Sep 30, 2009	0.756487
Oct 01, 2009	Oct 30, 2009	0.743832
Nov 02, 2009	Nov 30, 2009	0.733744
Dec 01, 2009	Dec 31, 2009	0.721475
Jan 04, 2010	Jan 29, 2010	0.707014
Feb 01, 2010	Feb 26, 2010	0.689045
Mar 01, 2010	Mar 31, 2010	0.680652
Apr 01, 2010	Apr 30, 2010	0.668320
May 03, 2010	May 28, 2010	0.658038
Jun 01, 2010	Jun 30, 2010	0.648939
Jul 01, 2010	Jul 30, 2010	0.634254
Aug 02, 2010	Aug 31, 2010	0.616299
Sep 01, 2010	Sep 30, 2010	0.600454
Oct 01, 2010	Oct 29, 2010	0.581264
Nov 01, 2010	Nov 30, 2010	0.561578
Dec 01, 2010	Dec 31, 2010	0.542375
Jan 03, 2011	Jan 31, 2011	0.521627
Feb 01, 2011	Feb 28, 2011	0.506859
Mar 01, 2011	Mar 31, 2011	0.495094
Apr 01, 2011	Apr 29, 2011	0.479889
May 02, 2011	May 31, 2011	0.471621
Jun 01, 2011	Jun 30, 2011	0.460713
Jul 01, 2011	Jul 29, 2011	0.449623
Aug 01, 2011	Aug 31, 2011	0.439242

1A75 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.424763
Oct 03, 2011	Oct 31, 2011	0.413880
Nov 01, 2011	Nov 30, 2011	0.405296
Dec 01, 2011	Dec 30, 2011	0.396266
Jan 03, 2012	Jan 31, 2012	0.388767
Feb 01, 2012	Feb 29, 2012	0.384130
Mar 01, 2012	Mar 30, 2012	0.381624
Apr 02, 2012	Apr 30, 2012	0.375631
May 01, 2012	May 31, 2012	0.368546
Jun 01, 2012	Jun 29, 2012	0.364701
Jul 02, 2012	Jul 31, 2012	0.358813
Aug 01, 2012	Aug 31, 2012	0.353319
Sep 04, 2012	Sep 28, 2012	0.347614
Oct 01, 2012	Oct 31, 2012	0.339963
Nov 01, 2012	Nov 30, 2012	0.336126
Dec 03, 2012	Dec 31, 2012	0.332798
Jan 02, 2013	Jan 31, 2013	0.328110
Feb 01, 2013	Feb 28, 2013 Mar 29, 2013	0.321677
Mar 01, 2013 Apr 01, 2013	Apr 30, 2013	0.317683
May 01, 2013	May 31, 2013	0.312855
Jun 03, 2013	Jun 28, 2013	0.305501
Jul 01, 2013	Jul 31, 2013	0.300761
Aug 01, 2013	Aug 30, 2013	0.293952
Sep 03, 2013	Sep 30, 2013	0.285248
Oct 01, 2013	Oct 31, 2013	0.278596 0.274621
Nov 01, 2013	Nov 29, 2013	0.270496
Dec 02, 2013	Dec 31, 2013	0.266019
Jan 02, 2014	Jan 31, 2014	0.262289
Feb 03, 2014	Feb 28, 2014	0.258832
Mar 03, 2014	Mar 31, 2014	0.256371
Apr 01, 2014	Apr 30, 2014	0.252070
May 01, 2014	May 30, 2014	0.247462
Jun 02, 2014	Jun 30, 2014	0.243580
Jul 01, 2014	Jul 31, 2014	0.239849
Aug 01, 2014	Aug 29, 2014	0.236502
Sep 02, 2014	Sep 30, 2014	0.232414
Oct 01, 2014	Oct 31, 2014	0.230911
Nov 03, 2014	Nov 28, 2014	0.226822
Dec 01, 2014	Dec 31, 2014	0.223325
Jan 02, 2015	Jan 30, 2015	0.219875
Feb 02, 2015	Feb 27, 2015	0.216662
Mar 02, 2015	Mar 31, 2015	0.215430
Apr 01, 2015	Apr 30, 2015	0.212224
May 01, 2015	May 29, 2015	0.209143
Jun 01, 2015		0.207172

1A76 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.996996
Sep 04, 2007	Sep 28, 2007	0.985497
Oct 01, 2007	Oct 31, 2007	0.976386
Nov 01, 2007	Nov 30, 2007	0.966889
Dec 03, 2007	Dec 31, 2007	
Jan 02, 2008	Jan 31, 2008	0.965871
Feb 01, 2008	Feb 29, 2008	0.953014
Mar 03, 2008	Mar 31, 2008	0.937055
Apr 01, 2008	Apr 30, 2008	0.927982
May 01, 2008	May 30, 2008	0.911665
Jun 02, 2008	Jun 30, 2008	0.903518
Jul 01, 2008	Jul 31, 2008	0.883001
-	•	0.861246
Aug 01, 2008	Aug 29, 2008	0.855560
Sep 02, 2008	Sep 30, 2008	0.853770
Oct 01, 2008	Oct 31, 2008	0.851547
Nov 03, 2008	Nov 28, 2008	0.846820
Dec 01, 2008	Dec 31, 2008	0.841363
Jan 02, 2009	Jan 30, 2009	0.832475
Feb 02, 2009	Feb 27, 2009	0.822177
Mar 02, 2009	Mar 31, 2009	0.815166
Apr 01, 2009	Apr 30, 2009	0.808246
May 01, 2009	May 29, 2009	0.799228
Jun 01, 2009	Jun 30, 2009	0.797026
Jul 01, 2009	Jul 31, 2009	0.775259
Aug 03, 2009	Aug 31, 2009	0.760889
Sep 01, 2009	Sep 30, 2009	0.749450
Oct 01, 2009	Oct 30, 2009	0.740566
Nov 02, 2009	Nov 30, 2009	0.731338
Dec 01, 2009	Dec 31, 2009	0.719173
Jan 04, 2010	Jan 29, 2010	0.715159
Feb 01, 2010	Feb 26, 2010	0.706239
Mar 01, 2010	Mar 31, 2010	0.698411
Apr 01, 2010	Apr 30, 2010	0.678881
May 03, 2010	May 28, 2010	0.677240
Jun 01, 2010	Jun 30, 2010	0.667722
Jul 01, 2010	Jul 30, 2010	0.664300
Aug 02, 2010	Aug 31, 2010	0.640346
Sep 01, 2010	Sep 30, 2010	0.632169
Oct 01, 2010	Oct 29, 2010	0.623966
Nov 01, 2010	Nov 30, 2010	0.611122
Dec 01, 2010	Dec 31, 2010	0.610364
Jan 03, 2011	Jan 31, 2011	0.581745
Feb 01, 2011	Feb 28, 2011	0.570381
Mar 01, 2011	Mar 31, 2011	0.558658
Apr 01, 2011	Apr 29, 2011	0.549576
May 02, 2011	May 31, 2011	0.546372
Jun 01, 2011	Jun 30, 2011	0.539024
Jul 01, 2011	Jul 29, 2011	0.526793
Aug 01, 2011	Aug 31, 2011	0.525938

1A76 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.514396
Oct 03, 2011	Oct 31, 2011	0.495232
Nov 01, 2011	Nov 30, 2011	0.491520
Dec 01, 2011	Dec 30, 2011	0.491058
Jan 03, 2012	Jan 31, 2012	0.489478
Feb 01, 2012	Feb 29, 2012	0.489184
Mar 01, 2012	Mar 30, 2012	0.481319
Apr 02, 2012	Apr 30, 2012	0.473396
May 01, 2012	May 31, 2012	0.470320
Jun 01, 2012	Jun 29, 2012	0.468109
Jul 02, 2012	Jul 31, 2012	0.465322
Aug 01, 2012	Aug 31, 2012	0.463303
Sep 04, 2012	Sep 28, 2012	0.459113
Oct 01, 2012	Oct 31, 2012	0.456561
Nov 01, 2012	Nov 30, 2012	0.450578
Dec 03, 2012	Dec 31, 2012	0.446146
Jan 02, 2013	Jan 31, 2013	0.441535
Feb 01, 2013	Feb 28, 2013	0.440809
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.438486
May 01, 2013	May 31, 2013	0.437630
Jun 03, 2013	Jun 28, 2013	0.435296
Jul 01, 2013	Jul 31, 2013	0.425379
Aug 01, 2013	Aug 30, 2013	0.420756
Sep 03, 2013	Sep 30, 2013	0.418117
Oct 01, 2013	Oct 31, 2013	0.417096 0.413862
Nov 01, 2013	Nov 29, 2013	0.411561
Dec 02, 2013	Dec 31, 2013	0.410673
Jan 02, 2014	Jan 31, 2014	0.403576
Feb 03, 2014	Feb 28, 2014	0.400028
Mar 03, 2014	Mar 31, 2014	0.399876
Apr 01, 2014	Apr 30, 2014	0.399164
May 01, 2014	May 30, 2014	0.399164
Jun 02, 2014	Jun 30, 2014	0.396461
Jul 01, 2014	Jul 31, 2014	0.389451
Aug 01, 2014	Aug 29, 2014	0.383421
Sep 02, 2014	Sep 30, 2014	0.382579
Oct 01, 2014	Oct 31, 2014	0.381242
Nov 03, 2014	Nov 28, 2014	0.373052
Dec 01, 2014	Dec 31, 2014	0.370793
Jan 02, 2015	Jan 30, 2015	0.368202
Feb 02, 2015	Feb 27, 2015	0.368202
Mar 02, 2015	Mar 31, 2015	0.366140
Apr 01, 2015	Apr 30, 2015	0.361138
May 01, 2015	May 29, 2015	0.358248
Jun 01, 2015		0.356341

1A77 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A77 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.996782
Feb 01, 2012	Feb 29, 2012	0.996182
Mar 01, 2012	Mar 30, 2012	0.980166
Apr 02, 2012	Apr 30, 2012	0.964033
May 01, 2012	May 31, 2012	0.957767
Jun 01, 2012	Jun 29, 2012	0.953265
Jul 02, 2012	Jul 31, 2012	0.947591
Aug 01, 2012	Aug 31, 2012	0.943478
Sep 04, 2012	Sep 28, 2012	0.934946
Oct 01, 2012	Oct 31, 2012	0.929748
Nov 01, 2012	Nov 30, 2012	0.917565
Dec 03, 2012	Dec 31, 2012	0.908539
Jan 02, 2013	Jan 31, 2013	0.899149
Feb 01, 2013	Feb 28, 2013	0.897670
Mar 01, 2013	Mar 29, 2013	0.892941
Apr 01, 2013	Apr 30, 2013	0.891197
May 01, 2013	May 31, 2013	0.886444
Jun 03, 2013	Jun 28, 2013	0.866250
Jul 01, 2013	Jul 31, 2013	0.856835
Aug 01, 2013	Aug 30, 2013	0.851461
Sep 03, 2013	Sep 30, 2013	0.849381
Oct 01, 2013	Oct 31, 2013	0.842796
Nov 01, 2013	Nov 29, 2013	0.838109
Dec 02, 2013	Dec 31, 2013	0.836301
Jan 02, 2014	Jan 31, 2014	0.821849
Feb 03, 2014	Feb 28, 2014	0.814625
Mar 03, 2014	Mar 31, 2014	0.814315
Apr 01, 2014	Apr 30, 2014	0.812865
May 01, 2014	May 30, 2014	0.812865
Jun 02, 2014	Jun 30, 2014	0.807361
Jul 01, 2014	Jul 31, 2014	0.793084
Aug 01, 2014	Aug 29, 2014	0.780805
Sep 02, 2014	Sep 30, 2014	0.779091
Oct 01, 2014	Oct 31, 2014	0.776369
Nov 03, 2014	Nov 28, 2014	0.759689
Dec 01, 2014	Dec 31, 2014	0.755090
Jan 02, 2015	Jan 30, 2015	0.749812
Feb 02, 2015	Feb 27, 2015	0.749812
Mar 02, 2015	Mar 31, 2015	0.745615
Apr 01, 2015	Apr 30, 2015	0.735427
May 01, 2015	May 29, 2015	0.729542
Jun 01, 2015		0.725659

1A78 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997267
Sep 04, 2007	Sep 28, 2007	0.986804
Oct 01, 2007	Oct 31, 2007	0.978514
Nov 01, 2007	Nov 30, 2007	0.969873
Dec 03, 2007	Dec 31, 2007	0.968947
Jan 02, 2008	Jan 31, 2008	0.957249
Feb 01, 2008	Feb 29, 2008	0.942728
Mar 03, 2008	Mar 31, 2008	
Apr 01, 2008	Apr 30, 2008	0.934473
May 01, 2008	May 30, 2008	0.919627
Jun 02, 2008	Jun 30, 2008	0.912214
Jul 01, 2008	Jul 31, 2008	0.893546
Aug 01, 2008	Aug 29, 2008	0.873751
Sep 02, 2008	Sep 30, 2008	0.868578
Oct 01, 2008	Oct 31, 2008	0.866950
		0.864926
Nov 03, 2008	Nov 28, 2008	0.860626
Dec 01, 2008	Dec 31, 2008	0.855661
Jan 02, 2009	Jan 30, 2009	0.847573
Feb 02, 2009	Feb 27, 2009	0.838204
Mar 02, 2009	Mar 31, 2009	0.831825
Apr 01, 2009	Apr 30, 2009	0.825529
May 01, 2009	May 29, 2009	0.817324
Jun 01, 2009	Jun 30, 2009	0.815320
Jul 01, 2009	Jul 31, 2009	0.795514
Aug 03, 2009	Aug 31, 2009	0.782439
Sep 01, 2009	Sep 30, 2009	0.772032
Oct 01, 2009	Oct 30, 2009	0.763948
Nov 02, 2009	Nov 30, 2009	0.755552
Dec 01, 2009	Dec 31, 2009	0.744484
Jan 04, 2010	Jan 29, 2010	0.740831
Feb 01, 2010	Feb 26, 2010	0.732715
Mar 01, 2010	Mar 31, 2010	0.725593
Apr 01, 2010	Apr 30, 2010	0.707823
May 03, 2010	May 28, 2010	0.706330
Jun 01, 2010	Jun 30, 2010	0.697669
Jul 01, 2010	Jul 30, 2010	0.694556
Aug 02, 2010	Aug 31, 2010	0.672761
Sep 01, 2010	Sep 30, 2010	0.665321
Oct 01, 2010	Oct 29, 2010	0.657857
Nov 01, 2010	Nov 30, 2010	0.646171
Dec 01, 2010	Dec 31, 2010	0.645481
Jan 03, 2011	Jan 31, 2011	0.619442
Feb 01, 2011	Feb 28, 2011	0.609101
Mar 01, 2011	Mar 31, 2011	0.598435
Apr 01, 2011	Apr 29, 2011	0.590172
May 02, 2011	May 31, 2011	0.587257
Jun 01, 2011	Jun 30, 2011	0.580571
Jul 01, 2011	Jul 29, 2011	0.569442
Aug 01, 2011	Aug 31, 2011	0.568664

1A78 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.558162
Oct 03, 2011	Oct 31, 2011	0.540726
Nov 01, 2011	Nov 30, 2011	0.537348
Dec 01, 2011	Dec 30, 2011	0.536928
Jan 03, 2012	Jan 31, 2012	0.535201
Feb 01, 2012	Feb 29, 2012	0.534879
Mar 01, 2012	Mar 30, 2012	0.526279
Apr 02, 2012	Apr 30, 2012	0.517617
May 01, 2012	May 31, 2012	0.514252
Jun 01, 2012	Jun 29, 2012	0.511835
Jul 02, 2012	Jul 31, 2012	0.508788
Aug 01, 2012	Aug 31, 2012	0.506580
Sep 04, 2012	Sep 28, 2012	0.501999
Oct 01, 2012	Oct 31, 2012	0.499208
Nov 01, 2012	Nov 30, 2012	0.492667
Dec 03, 2012	Dec 31, 2012	0.487821
Jan 02, 2013	Jan 31, 2013	0.482779
Feb 01, 2013	Feb 28, 2013	0.481985
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.479445
May 01, 2013	May 31, 2013	0.478509
Jun 03, 2013	Jun 28, 2013	0.475957
Jul 01, 2013	Jul 31, 2013	0.465114
Aug 01, 2013	Aug 30, 2013	0.460059
Sep 03, 2013	Sep 30, 2013	0.457174
Oct 01, 2013	Oct 31, 2013	0.456057 0.452521
Nov 01, 2013	Nov 29, 2013	0.450005
Dec 02, 2013	Dec 31, 2013	0.449034
Jan 02, 2014	Jan 31, 2014	0.441274
Feb 03, 2014	Feb 28, 2014	0.437395
Mar 03, 2014	Mar 31, 2014	0.437229
Apr 01, 2014	Apr 30, 2014	0.436450
May 01, 2014	May 30, 2014	0.436450
Jun 02, 2014	Jun 30, 2014	0.433495
Jul 01, 2014	Jul 31, 2014	0.425829
Aug 01, 2014	Aug 29, 2014	0.419237
Sep 02, 2014	Sep 30, 2014	0.418316
Oct 01, 2014	Oct 31, 2014	0.416854
Nov 03, 2014	Nov 28, 2014	0.407898
Dec 01, 2014	Dec 31, 2014	0.405429
Jan 02, 2015	Jan 30, 2015	0.402596
Feb 02, 2015	Feb 27, 2015	0.402596
Mar 02, 2015	Mar 31, 2015	0.400342
Apr 01, 2015	Apr 30, 2015	0.394872
May 01, 2015	May 29, 2015	0.391712
Jun 01, 2015		0.389627

1A79 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	1.000000
Sep 04, 2007	Sep 28, 2007	1.000000
Oct 01, 2007	Oct 31, 2007	1.000000
Nov 01, 2007	Nov 30, 2007	1.000000
Dec 03, 2007	Dec 31, 2007	1.000000
Jan 02, 2008	Jan 31, 2008	1.000000
Feb 01, 2008	Feb 29, 2008	1.000000
Mar 03, 2008	Mar 31, 2008	1.000000
Apr 01, 2008	Apr 30, 2008	1.000000
May 01, 2008	May 30, 2008	1.000000
Jun 02, 2008	Jun 30, 2008	1.000000
Jul 01, 2008	Jul 31, 2008	1.000000
Aug 01, 2008	Aug 29, 2008	1.000000
Sep 02, 2008	Sep 30, 2008	1.000000
Oct 01, 2008	Oct 31, 2008	1.000000
Nov 03, 2008	Nov 28, 2008	1.000000
Dec 01, 2008	Dec 31, 2008	1.000000
Jan 02, 2009	Jan 30, 2009	1.000000
Feb 02, 2009	Feb 27, 2009	1.000000
Mar 02, 2009	Mar 31, 2009	1.000000
Apr 01, 2009	Apr 30, 2009	1.000000
May 01, 2009	May 29, 2009	1.000000
Jun 01, 2009	Jun 30, 2009	1.000000
Jul 01, 2009	Jul 31, 2009	1.000000
Aug 03, 2009	Aug 31, 2009	1.000000
Sep 01, 2009	Sep 30, 2009	1.000000
Oct 01, 2009	Oct 30, 2009	1.000000
Nov 02, 2009	Nov 30, 2009	1.000000
Dec 01, 2009	Dec 31, 2009	1.000000
Jan 04, 2010	Jan 29, 2010	1.000000
Feb 01, 2010	Feb 26, 2010	1.000000
Mar 01, 2010	Mar 31, 2010	1.000000
Apr 01, 2010	Apr 30, 2010	1.000000
May 03, 2010	May 28, 2010	1.000000
Jun 01, 2010	Jun 30, 2010	1.000000
Jul 01, 2010	Jul 30, 2010	1.000000
Aug 02, 2010	Aug 31, 2010	1.000000
Sep 01, 2010	Sep 30, 2010	1.000000
Oct 01, 2010	Oct 29, 2010	1.000000
Nov 01, 2010	Nov 30, 2010	1.000000
Dec 01, 2010	Dec 31, 2010	1.000000
Jan 03, 2011	Jan 31, 2011	1.000000
Feb 01, 2011	Feb 28, 2011	1.000000
Mar 01, 2011	Mar 31, 2011	1.000000
Apr 01, 2011	Apr 29, 2011	1.000000
May 02, 2011	May 31, 2011	1.000000
Jun 01, 2011	Jun 30, 2011	1.000000
Jul 01, 2011	Jul 29, 2011	1.000000
Aug 01, 2011	Aug 31, 2011	1.000000

1A79 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	1.000000
Oct 03, 2011	Oct 31, 2011	1.000000
Nov 01, 2011	Nov 30, 2011	1.000000
Dec 01, 2011	Dec 30, 2011	1.000000
Jan 03, 2012	Jan 31, 2012	0.996782
Feb 01, 2012	Feb 29, 2012	0.996182
Mar 01, 2012	Mar 30, 2012	0.980166
Apr 02, 2012	Apr 30, 2012	0.964033
May 01, 2012	May 31, 2012	0.957767
Jun 01, 2012	Jun 29, 2012	0.953265
Jul 02, 2012	Jul 31, 2012	0.947591
Aug 01, 2012	Aug 31, 2012	0.943478
Sep 04, 2012	Sep 28, 2012	0.934946
Oct 01, 2012	Oct 31, 2012	0.929748
Nov 01, 2012	Nov 30, 2012	0.917565
Dec 03, 2012	Dec 31, 2012	0.908539
Jan 02, 2013	Jan 31, 2013	0.899149
Feb 01, 2013	Feb 28, 2013	0.897670
Mar 01, 2013	Mar 29, 2013	0.892941
Apr 01, 2013	Apr 30, 2013	0.891197
May 01, 2013	May 31, 2013	0.886444
Jun 03, 2013	Jun 28, 2013	0.866250
Jul 01, 2013	Jul 31, 2013	0.856835
Aug 01, 2013	Aug 30, 2013	0.851461
Sep 03, 2013	Sep 30, 2013	0.849381
Oct 01, 2013	Oct 31, 2013	0.842796
Nov 01, 2013	Nov 29, 2013	0.838109
Dec 02, 2013	Dec 31, 2013	0.836301
Jan 02, 2014	Jan 31, 2014	0.821849
Feb 03, 2014	Feb 28, 2014	0.814625
Mar 03, 2014	Mar 31, 2014	0.814315
Apr 01, 2014	Apr 30, 2014	0.812865
May 01, 2014	May 30, 2014	0.812865
Jun 02, 2014	Jun 30, 2014	0.807361
Jul 01, 2014	Jul 31, 2014	0.793084
Aug 01, 2014	Aug 29, 2014	0.780805
Sep 02, 2014	Sep 30, 2014	0.779091
Oct 01, 2014	Oct 31, 2014	0.776369
Nov 03, 2014	Nov 28, 2014	0.759689
Dec 01, 2014	Dec 31, 2014	0.755090
Jan 02, 2015	Jan 30, 2015	0.749812
Feb 02, 2015	Feb 27, 2015	0.749812
Mar 02, 2015	Mar 31, 2015	0.745615
Apr 01, 2015	Apr 30, 2015	0.735427
May 01, 2015	May 29, 2015	0.729542
Jun 01, 2015		0.725659

1A80 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997471
Sep 04, 2007	Sep 28, 2007	0.987787
Oct 01, 2007	Oct 31, 2007	0.980115
Nov 01, 2007	Nov 30, 2007	0.972117
Dec 03, 2007	Dec 31, 2007	0.971260
Jan 02, 2008	Jan 31, 2008	0.960434
Feb 01, 2008	Feb 29, 2008	0.946994
Mar 03, 2008	Mar 31, 2008	0.939354
Apr 01, 2008	Apr 30, 2008	0.925614
May 01, 2008	May 30, 2008	0.918753
Jun 02, 2008	Jun 30, 2008	0.901476
Jul 01, 2008	Jul 31, 2008	0.883156
Aug 01, 2008	Aug 29, 2008	0.878368
Sep 02, 2008	Sep 30, 2008	0.876861
Oct 01, 2008	Oct 31, 2008	0.874988
Nov 03, 2008	Nov 28, 2008	0.871008
Dec 01, 2008	Dec 31, 2008	0.866413
Jan 02, 2009	Jan 30, 2009	0.858928
Feb 02, 2009	Feb 27, 2009	0.850256
Mar 02, 2009	Mar 31, 2009	0.844353
Apr 01, 2009	Apr 30, 2009	0.838526
May 01, 2009	May 29, 2009	0.830932
Jun 01, 2009	Jun 30, 2009	0.829077
Jul 01, 2009	Jul 31, 2009	0.810747
Aug 03, 2009	Aug 31, 2009	0.798646
Sep 01, 2009	Sep 30, 2009	0.789014
Oct 01, 2009	Oct 30, 2009	0.781532
Nov 02, 2009	Nov 30, 2009	0.773761
Dec 01, 2009	Dec 31, 2009	0.763518
Jan 04, 2010	Jan 29, 2010	0.760137
Feb 01, 2010	Feb 26, 2010	0.752626
Mar 01, 2010	Mar 31, 2010	0.746034
Apr 01, 2010	Apr 30, 2010	0.729589
May 03, 2010	May 28, 2010	0.728207
Jun 01, 2010	Jun 30, 2010	0.720191
Jul 01, 2010	Jul 30, 2010	0.717309
Aug 02, 2010	Aug 31, 2010	0.697138
Sep 01, 2010	Sep 30, 2010	0.690253
Oct 01, 2010	Oct 29, 2010	0.683344
Nov 01, 2010	Nov 30, 2010	0.672529
Dec 01, 2010	Dec 31, 2010	0.671890
Jan 03, 2011	Jan 31, 2011	0.647791
Feb 01, 2011	Feb 28, 2011	0.638221
Mar 01, 2011	Mar 31, 2011	0.628349
Apr 01, 2011	Apr 29, 2011	0.620702
May 02, 2011	May 31, 2011	0.618004
Jun 01, 2011	Jun 30, 2011	0.611815
Jul 01, 2011	Jul 29, 2011	0.601516
Aug 01, 2011	Aug 31, 2011	0.600796

1A80 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.591076
Oct 03, 2011	Oct 31, 2011	0.574939
Nov 01, 2011	Nov 30, 2011	0.571813
Dec 01, 2011	Dec 30, 2011	0.571424
Jan 03, 2012	Jan 31, 2012	0.569585
Feb 01, 2012	Feb 29, 2012	0.569243
Mar 01, 2012	Mar 30, 2012	0.560091
Apr 02, 2012	Apr 30, 2012	0.550872
May 01, 2012	May 31, 2012	0.547291
Jun 01, 2012	Jun 29, 2012	0.544719
Jul 02, 2012	Jul 31, 2012	0.541476
Aug 01, 2012	Aug 31, 2012	0.539126
Sep 04, 2012	Sep 28, 2012	0.534251
Oct 01, 2012	Oct 31, 2012	0.531281
Nov 01, 2012	Nov 30, 2012	0.524319
Dec 03, 2012	Dec 31, 2012	0.519161
Jan 02, 2013	Jan 31, 2013	0.513796
Feb 01, 2013	Feb 28, 2013	0.512950
Mar 01, 2013	Mar 29, 2013	0.510248
Apr 01, 2013	Apr 30, 2013	0.509252
May 01, 2013	May 31, 2013	0.506535
Jun 03, 2013	Jun 28, 2013	0.494996
Jul 01, 2013	Jul 31, 2013	0.489616
Aug 01, 2013	Aug 30, 2013	0.486545
Sep 03, 2013	Sep 30, 2013	0.485357
Oct 01, 2013	Oct 31, 2013	0.481594
Nov 01, 2013	Nov 29, 2013	0.478916
Dec 02, 2013	Dec 31, 2013	0.477883
Jan 02, 2014	Jan 31, 2014	0.469624
Feb 03, 2014	Feb 28, 2014	0.465496
Mar 03, 2014	Mar 31, 2014	0.465319
Apr 01, 2014	Apr 30, 2014	0.464491
May 01, 2014	May 30, 2014	0.464491
Jun 02, 2014	Jun 30, 2014	0.461346
Jul 01, 2014	Jul 31, 2014	0.453187
Aug 01, 2014	Aug 29, 2014	0.446171
Sep 02, 2014	Sep 30, 2014	0.445191
Oct 01, 2014	Oct 31, 2014	0.443636
Nov 03, 2014	Nov 28, 2014	0.434105
Dec 01, 2014	Dec 31, 2014	0.431477
Jan 02, 2015	Jan 30, 2015	0.428461
Feb 02, 2015	Feb 27, 2015	0.428461
Mar 02, 2015	Mar 31, 2015	0.426062
Apr 01, 2015	Apr 30, 2015	0.420241
May 01, 2015	May 29, 2015	0.416878
Jun 01, 2015		0.414659

1A81 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	
Jul 25, 2008	Aug 22, 2008	0.923816
Aug 25, 2008	Sep 24, 2008	0.915761
Sep 25, 2008	Oct 24, 2008	0.911826
Oct 27, 2008	Nov 24, 2008	0.905077
Nov 25, 2008	Dec 24, 2008	0.903658
Dec 26, 2008	Jan 23, 2009	0.899346
Jan 26, 2009	Feb 24, 2009	0.896944
		0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011	Feb 24, 2011	0.689750
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.682508
		0.674716
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.667134
Jun 27, 2011	-	0.662305
,	Jul 22, 2011	0.655648
Jul 25, 2011	Aug 24, 2011	0.645537
Aug 25, 2011	Sep 23, 2011	0.638723

1A81 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.563907
Sep 25, 2012	Oct 24, 2012	0.556317
Oct 25, 2012	Nov 23, 2012	0.551911
Nov 26, 2012	Dec 24, 2012	0.547652
Dec 26, 2012	Jan 24, 2013	0.545568
Jan 25, 2013	Feb 22, 2013	0.541841
Feb 25, 2013	Mar 22, 2013	0.528433
Mar 25, 2013	Apr 24, 2013	0.523155
Apr 25, 2013	May 24, 2013	0.516693
May 28, 2013	Jun 24, 2013	0.512713
Jun 25, 2013	Jul 24, 2013	0.508274
Jul 25, 2013	Aug 23, 2013	0.503269
Aug 26, 2013	Sep 24, 2013	0.495175
Sep 25, 2013	Oct 24, 2013	0.491644
Oct 25, 2013	Nov 22, 2013	0.485867
Nov 25, 2013	Dec 24, 2013	0.478611
Dec 26, 2013	Jan 24, 2014	0.474553
Jan 27, 2014	Feb 24, 2014	0.471447
Feb 25, 2014	Mar 24, 2014	0.468823
Mar 25, 2014	Apr 24, 2014	0.467726
Apr 25, 2014	May 23, 2014	0.463641
May 27, 2014	Jun 24, 2014	0.458372
Jun 25, 2014	Jul 24, 2014	0.451849
Jul 25, 2014	Aug 22, 2014	0.448138
Aug 25, 2014	Sep 24, 2014	0.444969
Sep 25, 2014	Oct 24, 2014	0.436484
Oct 27, 2014	Nov 24, 2014	0.435023
Nov 25, 2014	Dec 24, 2014	0.429263
Dec 26, 2014	Jan 23, 2015	0.424667
Jan 26, 2015	Feb 24, 2015	0.421850
Feb 25, 2015	Mar 24, 2015	0.419007
Mar 25, 2015	Apr 24, 2015	0.417392
Apr 27, 2015	May 22, 2015	0.412223
May 26, 2015	Jun 24, 2015	0.407700
Jun 25, 2015		0.406208

1A82 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	0.000000
Aug 27, 2007	Sep 24, 2007	0.000000
Sep 25, 2007	Oct 24, 2007	0.000000
Oct 25, 2007	Nov 23, 2007	0.000000
Nov 26, 2007	Dec 24, 2007	0.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	0.000000
Feb 25, 2008	Mar 24, 2008	0.000000
Mar 25, 2008	Apr 24, 2008	0.000000
Apr 25, 2008	May 23, 2008	0.000000
May 27, 2008	Jun 24, 2008	0.000000
Jun 25, 2008	Jul 24, 2008	0.000000
Jul 25, 2008	Aug 22, 2008	0.000000
Aug 25, 2008	Sep 24, 2008	0.000000
	<u> </u>	0.000000
Sep 25, 2008	Oct 24, 2008	0.000000
Oct 27, 2008	Nov 24, 2008	0.000000
Nov 25, 2008	Dec 24, 2008	0.000000
Dec 26, 2008	Jan 23, 2009	0.000000
Jan 26, 2009	Feb 24, 2009	0.000000
Feb 25, 2009	Mar 24, 2009	0.000000
Mar 25, 2009	Apr 24, 2009	0.000000
Apr 27, 2009	May 22, 2009	0.000000
May 26, 2009	Jun 24, 2009	0.000000
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Aug 25, 2011	Sep 23, 2011	0.000000

1A82 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013	Mar 22, 2013	0.000000
Mar 25, 2013	Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A83 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	0.923816
Jul 25, 2008	Aug 22, 2008	
Aug 25, 2008	Sep 24, 2008	0.915761
Sep 25, 2008	Oct 24, 2008	0.911826
Oct 27, 2008	Nov 24, 2008	0.905077
Nov 25, 2008	Dec 24, 2008	0.903658
Dec 26, 2008	Jan 23, 2009	0.899346
Jan 26, 2009	Feb 24, 2009	0.896944
Feb 25, 2009	Mar 24, 2009	0.893055
Mar 25, 2009	Apr 24, 2009	0.887255
Apr 27, 2009	May 22, 2009	0.878490
May 26, 2009	Jun 24, 2009	0.873477
Jun 25, 2009	Jul 24, 2009	0.862872
Jul 27, 2009	Aug 24, 2009	0.854772
Aug 25, 2009	Sep 24, 2009	0.845720
Sep 25, 2009		0.837527
Oct 26, 2009	Oct 23, 2009 Nov 24, 2009	0.833587
Nov 25, 2009	Dec 24, 2009	0.822105
Dec 28, 2009	Jan 22, 2010	0.820290
Jan 25, 2010	Feb 24, 2010	0.809519
Feb 25, 2010	Mar 24, 2010	0.801440
Mar 25, 2010	Apr 23, 2010	0.796434
Apr 26, 2010	May 24, 2010	0.793494
May 25, 2010	Jun 24, 2010	0.785632
Jun 25, 2010	Jul 23, 2010	0.765737
Jul 26, 2010	Aug 24, 2010	0.759198
Aug 25, 2010	Sep 24, 2010	0.749590 0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011	Feb 24, 2011	0.689750
Feb 25, 2011	Mar 24, 2011	0.682508
Mar 25, 2011	Apr 22, 2011	0.674716
Apr 25, 2011	May 24, 2011	0.667134
May 25, 2011	Jun 24, 2011	0.662305
Jun 27, 2011	Jul 22, 2011	0.655648
Jul 25, 2011	Aug 24, 2011	0.645537
Aug 25, 2011	Sep 23, 2011	0.638723

1A83 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.563907
Sep 25, 2012	Oct 24, 2012	0.556317
Oct 25, 2012	Nov 23, 2012	0.551911
Nov 26, 2012	Dec 24, 2012	0.547652
Dec 26, 2012	Jan 24, 2013	0.545568
Jan 25, 2013	Feb 22, 2013	0.541841
Feb 25, 2013	Mar 22, 2013	0.528433
Mar 25, 2013	Apr 24, 2013	0.523155
Apr 25, 2013	May 24, 2013	0.516693
May 28, 2013	Jun 24, 2013	0.512713
Jun 25, 2013	Jul 24, 2013	0.508274
Jul 25, 2013	Aug 23, 2013	0.503269
Aug 26, 2013	Sep 24, 2013	0.495175
Sep 25, 2013	Oct 24, 2013	0.491644
Oct 25, 2013	Nov 22, 2013	0.485867
Nov 25, 2013	Dec 24, 2013	0.478611
Dec 26, 2013	Jan 24, 2014	0.474553
Jan 27, 2014	Feb 24, 2014	0.471447
Feb 25, 2014	Mar 24, 2014	0.468823
Mar 25, 2014	Apr 24, 2014	0.467726
Apr 25, 2014	May 23, 2014	0.463641
May 27, 2014	Jun 24, 2014	0.458372
Jun 25, 2014	Jul 24, 2014	0.451849
Jul 25, 2014	Aug 22, 2014	0.448138
Aug 25, 2014	Sep 24, 2014	0.444969
Sep 25, 2014	Oct 24, 2014	0.436484
Oct 27, 2014	Nov 24, 2014	0.435023
Nov 25, 2014	Dec 24, 2014	0.429263
Dec 26, 2014	Jan 23, 2015	0.424667
Jan 26, 2015	Feb 24, 2015	0.421850
Feb 25, 2015	Mar 24, 2015	0.419007
Mar 25, 2015	Apr 24, 2015	0.417392
Apr 27, 2015	May 22, 2015	0.412223
May 26, 2015	Jun 24, 2015	0.407700
Jun 25, 2015		0.406208

1A84 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	0.000000
Aug 27, 2007	Sep 24, 2007	0.000000
Sep 25, 2007	Oct 24, 2007	0.000000
Oct 25, 2007	Nov 23, 2007	0.000000
Nov 26, 2007	Dec 24, 2007	0.000000
Dec 26, 2007	Jan 24, 2008	
Jan 25, 2008	Feb 22, 2008	0.000000
Feb 25, 2008	Mar 24, 2008	0.000000
Mar 25, 2008	Apr 24, 2008	0.000000
Apr 25, 2008	May 23, 2008	0.000000
May 27, 2008	Jun 24, 2008	0.000000
Jun 25, 2008	Jul 24, 2008	0.000000
Jul 25, 2008	Aug 22, 2008	0.000000
Aug 25, 2008	Sep 24, 2008	0.000000
	<u> </u>	0.000000
Sep 25, 2008	Oct 24, 2008	0.000000
Oct 27, 2008	Nov 24, 2008	0.000000
Nov 25, 2008	Dec 24, 2008	0.000000
Dec 26, 2008	Jan 23, 2009	0.000000
Jan 26, 2009	Feb 24, 2009	0.000000
Feb 25, 2009	Mar 24, 2009	0.000000
Mar 25, 2009	Apr 24, 2009	0.000000
Apr 27, 2009	May 22, 2009	0.000000
May 26, 2009	Jun 24, 2009	0.000000
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Aug 25, 2011	Sep 23, 2011	0.000000

1A84 Certificate Writedown Free Factor Chart

Sep 26, 2011 Oct 24, 2011 0.000000 Oct 25, 2011 Nov 23, 2011 0.000000 Nov 25, 2011 Dec 23, 2011 0.000000 Dec 27, 2011 Jan 24, 2012 0.000000 Jan 25, 2012 Feb 24, 2012 0.000000 Feb 27, 2012 Mar 23, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 Jul 25, 2012 Jul 24, 2012 0.000000 Jul 25, 2012 Aug 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Oct 25, 2012 Nov 23, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Nov 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Feb 25, 2013 Mar 24, 2013 0.000000 Mar 25, 2013 <t< th=""><th><u>From</u></th><th><u>To</u></th><th>Writedown Free Factor</th></t<>	<u>From</u>	<u>To</u>	Writedown Free Factor
Nov 25, 2011 Dec 23, 2011 0.000000 Dec 27, 2011 Jan 24, 2012 0.000000 Feb 27, 2012 Feb 24, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 Mar 26, 2012 May 24, 2012 0.000000 May 25, 2012 May 24, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jun 24, 2012 0.000000 Jun 25, 2012 Jun 24, 2012 0.000000 Jun 25, 2012 Jun 24, 2012 0.000000 Jun 25, 2012 Aug 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Oct 25, 2012 Nov 23, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Jun 24, 2014 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jun 27, 2014 Feb 24, 2014 0.000000 May 27, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 May 23, 2014 0.000000 Aug 25, 2014 May 23, 2014 0.000000 Aug 25, 2014 May 27, 2014 0.000000 Aug 25, 2014 Jun 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Jun 25, 2014 Dec 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2015 0.000000 Aug 25, 2015 May 22, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.0000000	Sep 26, 2011	Oct 24, 2011	0.000000
Dec 27, 2011 Jan 24, 2012 0.000000 Jan 25, 2012 Feb 24, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 Apr 25, 2012 Jun 22, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Aug 27, 2012 Aug 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Oct 25, 2013 Jun 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2012 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 24, 2013 0.000000 Apr 25, 2013 Mar 24, 2013 0.000000 Mar 25, 2013 Jun 24, 2013 0.000000 Mar 25, 2013 Mar 24, 2013 0.000000 Apr 25, 2013 Jun 24, 2013 0.000000 Apr 25, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2014 0.000000 Dec 26, 2014 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Aug 25, 2014 Mar 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 26, 2015 Feb 24, 2015 0.000000 Aug 26, 2015 Mar 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000	Oct 25, 2011	Nov 23, 2011	0.000000
Jan 25, 2012 Feb 24, 2012 0.000000 Feb 27, 2012 Mar 23, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 Apr 25, 2012 May 24, 2012 0.000000 Jun 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Oct 25, 2012 Nov 23, 2012 0.000000 Jan 25, 2013 Jan 24, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Aug 27, 2014 Jan 24, 2013 0.000000 Jan 25, 2013 Mar 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 Mar 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Apr 25, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Aug 26, 2013 Jan 24, 2014 0.000000 Apr 25, 2014 Mar 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Apr 25, 2014 Mar 24, 2014 0.000000 Aug 25, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 26, 2015 Feb 24, 2015 0.000000 Aug 26, 2015 Mar 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000	Nov 25, 2011	Dec 23, 2011	0.000000
Feb 27, 2012 Mar 23, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 Apr 25, 2012 May 24, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Oct 25, 2012 Nov 23, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2015 0.000000 Aug 26, 2015 Feb 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000	Dec 27, 2011	Jan 24, 2012	0.000000
Mar 26, 2012	Jan 25, 2012	Feb 24, 2012	0.000000
Apr 25, 2012 May 24, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Jul 25, 2012 Aug 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Oct 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 May 23, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2015 May 22, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000	Feb 27, 2012	Mar 23, 2012	0.000000
May 25, 2012 Jun 22, 2012 Jun 25, 2012 Jul 24, 2012 O.000000 Jul 25, 2012 Aug 24, 2012 O.000000 Aug 27, 2012 Sep 24, 2012 O.000000 Sep 25, 2012 Oct 24, 2012 O.000000 Nov 26, 2012 Dec 24, 2012 O.000000 Jan 25, 2013 Feb 22, 2013 O.000000 Mar 25, 2013 Mar 22, 2013 O.000000 May 28, 2013 Aug 24, 2013 O.000000 Aug 27, 2014 Aug 24, 2014 O.000000 Feb 25, 2013 Apr 24, 2013 O.000000 May 28, 2013 Jul 24, 2013 O.000000 Jun 25, 2013 Aug 23, 2013 O.000000 Aug 26, 2013 Dec 24, 2013 O.000000 Jul 25, 2013 Aug 23, 2013 O.000000 Aug 26, 2013 Sep 24, 2013 O.000000 Aug 26, 2013 Dec 24, 2013 O.000000 Aug 26, 2013 Dec 24, 2013 O.000000 Aug 26, 2013 Aug 27, 2014 Feb 24, 2014 O.000000 Jun 25, 2014 Aug 27, 2014 Aug 28, 2014 Aug 29, 2014 O.000000 Aug 27, 2014 Aug 28, 2014 O.000000 Aug 27, 2014 Aug 28, 2014 O.000000 Aug 28, 2014 Aug 29, 2014 O.000000 Aug 29, 2015 Oct 24, 2014 O.000000 Oct 25, 2014 Aug 29, 2014 O.000000 Aug 27, 2014 Aug 29, 2014 O.000000 Aug 26, 2014 Aug 27, 2014 Aug 29, 2014 O.000000 Aug 25, 2014 Aug 29, 2015 O.000000 Aug 26, 2015 Aug 29, 2015 O.000000 Aug 26, 2015 Aug 29, 2015 O.000000 Aug 26, 2015 Aug 29, 2015 O.0000000	Mar 26, 2012	Apr 24, 2012	0.000000
Jun 25, 2012 Jul 24, 2012 O.000000 Jul 25, 2012 Aug 24, 2012 O.000000 Aug 27, 2012 Sep 24, 2012 O.000000 Sep 25, 2012 Oct 24, 2012 O.000000 Nov 26, 2012 Dec 24, 2012 O.000000 Jan 25, 2013 Feb 22, 2013 O.000000 Mar 25, 2013 Mar 22, 2013 O.000000 Apr 25, 2013 May 24, 2013 O.000000 Apr 25, 2013 May 24, 2013 O.000000 May 28, 2013 Jun 24, 2013 O.000000 Jun 25, 2013 Jul 24, 2013 O.000000 Jul 25, 2013 Aug 23, 2013 O.000000 Jul 25, 2013 Aug 23, 2013 O.000000 Aug 26, 2013 Sep 24, 2013 O.000000 Sep 25, 2013 Oct 24, 2013 O.000000 Oct 25, 2013 Oct 24, 2013 O.000000 Oct 25, 2013 Oct 24, 2013 O.000000 Dec 26, 2013 Dec 24, 2013 O.000000 Aug 26, 2013 Dec 26, 2013 Oct 27, 2014 Aug 22, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Sep 24, 2014 O.000000 Aug 25, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Aug 27, 2014 Aug 27, 2014 Aug 28, 2015 O.000000 Aug 26, 2015 Aug 27, 2015 Aug 27, 2015 Aug 28, 2015 O.000000 Aug 26, 2015 Aug 27, 2015 Aug 2015 O.000000 Aug 26, 2015 Aug 27, 20	Apr 25, 2012	May 24, 2012	0.000000
Jul 25, 2012 Aug 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Feb 25, 2013 Feb 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jul 25, 2013 Aug 23, 2013 0.000000 Jul 25, 2013 Aug 23, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Oct 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 May 27, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Sep 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Sep 24, 2014 0.000000 Jun 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Jun 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Mar 25, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	May 25, 2012	Jun 22, 2012	0.000000
Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Sep 24, 2014 0.000000 Apr 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jun 23, 2015 0.000000 Apr 27, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 Apr 25, 2015 Jun 24, 2015 0.000000 Apr 25, 2015 Jun 24, 2015 0.000000 Apr 25, 2015 Jun 24, 2015 0.000000	Jun 25, 2012	Jul 24, 2012	0.000000
Sep 25, 2012 Oct 24, 2012 0.000000 Oct 25, 2012 Nov 23, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Nov 25, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Jul 25, 2012	Aug 24, 2012	0.000000
Oct 25, 2012 Nov 23, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Apr 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Aug 23, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Apr 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Jun 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Dec 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Aug 27, 2012	Sep 24, 2012	0.000000
Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Apr 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Aug 23, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Sep 25, 2012	Oct 24, 2012	0.000000
Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Apr 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jul 25, 2013 Aug 23, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Jul 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Aug 25, 2014 Dec 24, 2014 0.000000 Aug 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Oct 25, 2012	Nov 23, 2012	0.000000
Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Apr 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Nov 25, 2013 Nov 22, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Aug 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 May 26, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Nov 26, 2012	Dec 24, 2012	0.000000
Feb 25, 2013	Dec 26, 2012	Jan 24, 2013	0.000000
Mar 25, 2013	Jan 25, 2013	Feb 22, 2013	0.000000
Apr 25, 2013	Feb 25, 2013	Mar 22, 2013	0.000000
May 28, 2013 Jun 24, 2013 Jun 25, 2013 Jul 24, 2013 O.000000 Jul 25, 2013 Aug 23, 2013 O.000000 Aug 26, 2013 Sep 24, 2013 Oct 24, 2013 Oct 24, 2013 O.000000 Oct 25, 2013 Nov 22, 2013 O.000000 Nov 25, 2013 Dec 24, 2013 O.000000 Dec 26, 2013 Jan 24, 2014 O.000000 Mar 25, 2014 Apr 24, 2014 O.000000 May 27, 2014 Jun 24, 2014 O.000000 Jul 25, 2014 Jul 24, 2014 O.000000 Aug 25, 2014 Aug 22, 2014 Oct 24, 2014 O.000000 Aug 25, 2014 Oct 24, 2014 Oct 24, 2014 O.000000 Oct 27, 2014 Nov 24, 2014 O.000000 Dec 26, 2014 Jun 26, 2015 Feb 24, 2015 O.000000 May 26, 2015 May 26, 2015 Jun 24, 2015 O.000000 May 26, 2015 Jun 24, 2015 O.000000 May 26, 2015 Jun 24, 2015 O.000000 Jun 25, 2015 Jun 24, 2015 O.000000 May 26, 2015 Jun 24, 2015 O.000000	Mar 25, 2013	Apr 24, 2013	0.000000
Jun 25, 2013 Jul 24, 2013 O.000000 Jul 25, 2013 Aug 23, 2013 O.000000 Sep 25, 2013 Oct 24, 2013 O.000000 Nov 25, 2013 Dec 24, 2013 O.000000 Dec 26, 2013 Jan 24, 2014 O.000000 Mar 25, 2014 Mar 24, 2014 O.000000 Apr 25, 2014 May 23, 2014 O.000000 May 27, 2014 Jun 24, 2014 O.000000 May 25, 2014 Jun 24, 2014 O.000000 Jun 25, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Aug 28, 2014 O.000000 Aug 27, 2014 Aug 29, 2014 O.000000 Aug 25, 2014 Oct 24, 2014 O.000000 Aug 25, 2014 Oct 24, 2014 O.000000 Sep 25, 2014 Oct 24, 2014 O.000000 Oct 27, 2014 Nov 24, 2014 O.000000 Dec 26, 2014 Jun 23, 2015 O.000000 Jan 26, 2015 Feb 24, 2015 O.000000 May 26, 2015 May 26, 2015 Jun 24, 2015 O.000000	Apr 25, 2013	May 24, 2013	0.000000
Jul 25, 2013 Aug 23, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 May 26, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	May 28, 2013	Jun 24, 2013	0.000000
Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Aug 22, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jun 26, 2015 Feb 24, 2015 0.000000 May 26, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Jun 25, 2013	Jul 24, 2013	0.000000
Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jul 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 <t< td=""><td>Jul 25, 2013</td><td>Aug 23, 2013</td><td>0.000000</td></t<>	Jul 25, 2013	Aug 23, 2013	0.000000
Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Sep 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Oct 27, 2014 Dec 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 May 26, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Aug 26, 2013	Sep 24, 2013	0.000000
Nov 25, 2013 Dec 24, 2014 Dec 26, 2013 Jan 24, 2014 Dec 26, 2014 Jan 27, 2014 Feb 24, 2014 Dec 26, 2014 Mar 24, 2014 Dec 26, 2014 Mar 25, 2014 Apr 24, 2014 Dec 26, 2014 Apr 27, 2014 Apr 28, 2014 Dec 28, 2014 Jun 29, 2014 Jun 29, 2014 Jun 29, 2014 Dec 29, 2015 Dec 2	Sep 25, 2013	Oct 24, 2013	0.000000
Dec 26, 2013	Oct 25, 2013	Nov 22, 2013	0.000000
Jan 27, 2014 Feb 24, 2014 0.000000 Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Nov 25, 2013	Dec 24, 2013	0.000000
Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Dec 26, 2013	Jan 24, 2014	0.000000
Mar 25, 2014	Jan 27, 2014	Feb 24, 2014	0.000000
Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Feb 25, 2014	Mar 24, 2014	0.000000
May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Mar 25, 2014	Apr 24, 2014	0.000000
Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Apr 25, 2014	May 23, 2014	0.000000
Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	May 27, 2014	Jun 24, 2014	0.000000
Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Jun 25, 2014	Jul 24, 2014	0.000000
Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Jul 25, 2014	Aug 22, 2014	0.000000
Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Aug 25, 2014	Sep 24, 2014	0.000000
Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Sep 25, 2014	Oct 24, 2014	0.000000
Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Oct 27, 2014	Nov 24, 2014	0.000000
Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Nov 25, 2014	Dec 24, 2014	0.000000
Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Dec 26, 2014	Jan 23, 2015	0.000000
Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Jan 26, 2015	Feb 24, 2015	0.000000
Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Feb 25, 2015	Mar 24, 2015	0.000000
May 26, 2015 Jun 24, 2015 0.000000	Mar 25, 2015	Apr 24, 2015	0.000000
lun 2F 201F	Apr 27, 2015	May 22, 2015	0.000000
Jun 25, 2015 0.000000	May 26, 2015	Jun 24, 2015	0.000000
	Jun 25, 2015		0.000000

1A85 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	0.979185
Dec 26, 2007	Jan 24, 2008	0.968923
Jan 25, 2008	Feb 22, 2008	0.962456
Feb 25, 2008	Mar 24, 2008	0.948636
Mar 25, 2008	Apr 24, 2008	0.941506
Apr 25, 2008	May 23, 2008	0.933406
May 27, 2008	Jun 24, 2008	0.930607
Jun 25, 2008	Jul 24, 2008	
Jul 25, 2008	Aug 22, 2008	0.923816
Aug 25, 2008	Sep 24, 2008	0.915761
Sep 25, 2008	Oct 24, 2008	0.911826
Oct 27, 2008	Nov 24, 2008	0.905077
Nov 25, 2008	Dec 24, 2008	0.903658
Dec 26, 2008	Jan 23, 2009	0.899346
Jan 26, 2009	Feb 24, 2009	0.896944
		0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011	Feb 24, 2011	0.689750
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.682508
		0.674716
Apr 25, 2011 May 25, 2011	May 24, 2011 Jun 24, 2011	0.667134
Jun 27, 2011	-	0.662305
,	Jul 22, 2011	0.655648
Jul 25, 2011	Aug 24, 2011	0.645537
Aug 25, 2011	Sep 23, 2011	0.638723

1A85 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.563907
Sep 25, 2012	Oct 24, 2012	0.556317
Oct 25, 2012	Nov 23, 2012	0.551911
Nov 26, 2012	Dec 24, 2012	0.547652
Dec 26, 2012	Jan 24, 2013	0.545568
Jan 25, 2013	Feb 22, 2013	0.541841
Feb 25, 2013	Mar 22, 2013	0.528433
Mar 25, 2013	Apr 24, 2013	0.523155
Apr 25, 2013	May 24, 2013	0.516693
May 28, 2013	Jun 24, 2013	0.512713
Jun 25, 2013	Jul 24, 2013	0.508274
Jul 25, 2013	Aug 23, 2013	0.503269
Aug 26, 2013	Sep 24, 2013	0.495175
Sep 25, 2013	Oct 24, 2013	0.491644
Oct 25, 2013	Nov 22, 2013	0.485867
Nov 25, 2013	Dec 24, 2013	0.478611
Dec 26, 2013	Jan 24, 2014	0.474553
Jan 27, 2014	Feb 24, 2014	0.471447
Feb 25, 2014	Mar 24, 2014	0.468823
Mar 25, 2014	Apr 24, 2014	0.467726
Apr 25, 2014	May 23, 2014	0.463641
May 27, 2014	Jun 24, 2014	0.458372
Jun 25, 2014	Jul 24, 2014	0.451849
Jul 25, 2014	Aug 22, 2014	0.448138
Aug 25, 2014	Sep 24, 2014	0.444969
Sep 25, 2014	Oct 24, 2014	0.436484
Oct 27, 2014	Nov 24, 2014	0.435023
Nov 25, 2014	Dec 24, 2014	0.429263
Dec 26, 2014	Jan 23, 2015	0.424667
Jan 26, 2015	Feb 24, 2015	0.421850
Feb 25, 2015	Mar 24, 2015	0.419007
Mar 25, 2015	Apr 24, 2015	0.417392
Apr 27, 2015	May 22, 2015	0.412223
May 26, 2015	Jun 24, 2015	0.407700
Jun 25, 2015		0.406208

1A86 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	0.000000
Aug 27, 2007	Sep 24, 2007	0.000000
Sep 25, 2007	Oct 24, 2007	0.000000
Oct 25, 2007	Nov 23, 2007	0.000000
Nov 26, 2007	Dec 24, 2007	0.000000
Dec 26, 2007	Jan 24, 2008	0.000000
Jan 25, 2008	Feb 22, 2008	0.000000
Feb 25, 2008	Mar 24, 2008	0.000000
Mar 25, 2008	Apr 24, 2008	0.000000
Apr 25, 2008	May 23, 2008	0.000000
May 27, 2008	Jun 24, 2008	0.000000
Jun 25, 2008	Jul 24, 2008	0.000000
Jul 25, 2008	Aug 22, 2008	0.000000
Aug 25, 2008	Sep 24, 2008	
Sep 25, 2008	Oct 24, 2008	0.000000
Oct 27, 2008	Nov 24, 2008	0.000000
Nov 25, 2008	Dec 24, 2008	0.000000
Dec 26, 2008	Jan 23, 2009	0.000000
Jan 26, 2009	Feb 24, 2009	0.000000
Feb 25, 2009	Mar 24, 2009	0.000000
Mar 25, 2009	Apr 24, 2009	0.000000
Apr 27, 2009	May 22, 2009	0.000000
May 26, 2009	Jun 24, 2009	0.000000
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Aug 25, 2011	Sep 23, 2011	0.000000

1A86 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.000000
Oct 25, 2011	Nov 23, 2011	0.000000
Nov 25, 2011	Dec 23, 2011	0.000000
Dec 27, 2011	Jan 24, 2012	0.000000
Jan 25, 2012	Feb 24, 2012	0.000000
Feb 27, 2012	Mar 23, 2012	0.000000
Mar 26, 2012	Apr 24, 2012	0.000000
Apr 25, 2012	May 24, 2012	0.000000
May 25, 2012	Jun 22, 2012	0.000000
Jun 25, 2012	Jul 24, 2012	0.000000
Jul 25, 2012	Aug 24, 2012	0.000000
Aug 27, 2012	Sep 24, 2012	0.000000
Sep 25, 2012	Oct 24, 2012	0.000000
Oct 25, 2012	Nov 23, 2012	0.000000
Nov 26, 2012	Dec 24, 2012	0.000000
Dec 26, 2012	Jan 24, 2013	0.000000
Jan 25, 2013	Feb 22, 2013	0.000000
Feb 25, 2013 Mar 25, 2013	Mar 22, 2013 Apr 24, 2013	0.000000
Apr 25, 2013	May 24, 2013	0.000000
May 28, 2013	Jun 24, 2013	0.000000
Jun 25, 2013	Jul 24, 2013	0.000000
Jul 25, 2013	Aug 23, 2013	0.000000
Aug 26, 2013	Sep 24, 2013	0.000000
Sep 25, 2013	Oct 24, 2013	0.000000
Oct 25, 2013	Nov 22, 2013	0.000000
Nov 25, 2013	Dec 24, 2013	0.000000
Dec 26, 2013	Jan 24, 2014	0.000000
Jan 27, 2014	Feb 24, 2014	0.000000
Feb 25, 2014	Mar 24, 2014	0.000000
Mar 25, 2014	Apr 24, 2014	0.000000
Apr 25, 2014	May 23, 2014	0.000000
May 27, 2014	Jun 24, 2014	0.000000
Jun 25, 2014	Jul 24, 2014	0.000000
Jul 25, 2014	Aug 22, 2014	0.000000
Aug 25, 2014	Sep 24, 2014	0.000000
Sep 25, 2014	Oct 24, 2014	0.000000
Oct 27, 2014	Nov 24, 2014	0.000000
Nov 25, 2014	Dec 24, 2014	0.000000
Dec 26, 2014	Jan 23, 2015	0.000000
Jan 26, 2015	Feb 24, 2015	0.000000
Feb 25, 2015	Mar 24, 2015	0.000000
Mar 25, 2015	Apr 24, 2015	0.000000
Apr 27, 2015	May 22, 2015	0.000000
May 26, 2015	Jun 24, 2015	0.000000
Jun 25, 2015		0.000000

1A87 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.995466
Sep 25, 2007	Oct 24, 2007	0.989184
Oct 25, 2007	Nov 23, 2007	0.982623
Nov 26, 2007	Dec 24, 2007	
Dec 26, 2007	Jan 24, 2008	0.979185
Jan 25, 2008	Feb 22, 2008	0.968923
Feb 25, 2008	Mar 24, 2008	0.962456
Mar 25, 2008	Apr 24, 2008	0.948636
Apr 25, 2008	May 23, 2008	0.941506
May 27, 2008	Jun 24, 2008	0.933406
Jun 25, 2008	Jul 24, 2008	0.930607
Jul 25, 2008		0.923816
-	Aug 22, 2008	0.915761
Aug 25, 2008	Sep 24, 2008	0.911826
Sep 25, 2008	Oct 24, 2008	0.905077
Oct 27, 2008	Nov 24, 2008	0.903658
Nov 25, 2008	Dec 24, 2008	0.899346
Dec 26, 2008	Jan 23, 2009	0.896944
Jan 26, 2009	Feb 24, 2009	0.893055
Feb 25, 2009	Mar 24, 2009	0.887255
Mar 25, 2009	Apr 24, 2009	0.878490
Apr 27, 2009	May 22, 2009	0.873477
May 26, 2009	Jun 24, 2009	0.862872
Jun 25, 2009	Jul 24, 2009	0.854772
Jul 27, 2009	Aug 24, 2009	0.845720
Aug 25, 2009	Sep 24, 2009	0.837527
Sep 25, 2009	Oct 23, 2009	0.833587
Oct 26, 2009	Nov 24, 2009	0.822105
Nov 25, 2009	Dec 24, 2009	0.820290
Dec 28, 2009	Jan 22, 2010	0.809519
Jan 25, 2010	Feb 24, 2010	0.801440
Feb 25, 2010	Mar 24, 2010	0.796434
Mar 25, 2010	Apr 23, 2010	0.793494
Apr 26, 2010	May 24, 2010	0.785632
May 25, 2010	Jun 24, 2010	0.765737
Jun 25, 2010	Jul 23, 2010	0.759198
Jul 26, 2010	Aug 24, 2010	0.749590
Aug 25, 2010	Sep 24, 2010	0.736920
Sep 27, 2010	Oct 22, 2010	0.729915
Oct 25, 2010	Nov 24, 2010	0.719992
Nov 26, 2010	Dec 23, 2010	0.707875
Dec 27, 2010	Jan 24, 2011	0.698537
Jan 25, 2011	Feb 24, 2011	0.689750
Feb 25, 2011	Mar 24, 2011	0.682508
Mar 25, 2011	Apr 22, 2011	0.674716
Apr 25, 2011	May 24, 2011	0.667134
May 25, 2011	Jun 24, 2011	0.662305
Jun 27, 2011	Jul 22, 2011	0.655648
Jul 25, 2011	Aug 24, 2011	0.645537
Aug 25, 2011	Sep 23, 2011	0.638723

1A87 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.629063
Oct 25, 2011	Nov 23, 2011	0.620565
Nov 25, 2011	Dec 23, 2011	0.617359
Dec 27, 2011	Jan 24, 2012	0.615913
Jan 25, 2012	Feb 24, 2012	0.612054
Feb 27, 2012	Mar 23, 2012	0.604684
Mar 26, 2012	Apr 24, 2012	0.602879
Apr 25, 2012	May 24, 2012	0.595590
May 25, 2012	Jun 22, 2012	0.583690
Jun 25, 2012	Jul 24, 2012	0.579820
Jul 25, 2012	Aug 24, 2012	0.569830
Aug 27, 2012	Sep 24, 2012	0.563907
Sep 25, 2012	Oct 24, 2012	0.556317
Oct 25, 2012	Nov 23, 2012	0.551911
Nov 26, 2012	Dec 24, 2012	0.547652
Dec 26, 2012	Jan 24, 2013	0.545568
Jan 25, 2013	Feb 22, 2013	0.541841
Feb 25, 2013	Mar 22, 2013	0.528433
Mar 25, 2013	Apr 24, 2013	0.523155
Apr 25, 2013	May 24, 2013	0.516693
May 28, 2013	Jun 24, 2013	0.512713
Jun 25, 2013	Jul 24, 2013	0.508274
Jul 25, 2013	Aug 23, 2013	0.503269
Aug 26, 2013	Sep 24, 2013	0.495175
Sep 25, 2013	Oct 24, 2013	0.491644
Oct 25, 2013	Nov 22, 2013	0.485867
Nov 25, 2013	Dec 24, 2013	0.478611
Dec 26, 2013	Jan 24, 2014	0.474553
Jan 27, 2014	Feb 24, 2014	0.471447
Feb 25, 2014	Mar 24, 2014	0.468823
Mar 25, 2014	Apr 24, 2014	0.467726
Apr 25, 2014	May 23, 2014	0.463641
May 27, 2014	Jun 24, 2014	0.458372
Jun 25, 2014	Jul 24, 2014	0.451849
Jul 25, 2014	Aug 22, 2014	0.448138
Aug 25, 2014	Sep 24, 2014	0.444969
Sep 25, 2014	Oct 24, 2014	0.436484
Oct 27, 2014	Nov 24, 2014	0.435023
Nov 25, 2014	Dec 24, 2014	0.429263
Dec 26, 2014	Jan 23, 2015	0.424667
Jan 26, 2015	Feb 24, 2015	0.421850
Feb 25, 2015	Mar 24, 2015	0.419007
Mar 25, 2015	Apr 24, 2015	0.417392
Apr 27, 2015	May 22, 2015	0.412223
May 26, 2015	Jun 24, 2015	0.407700
Jun 25, 2015		0.406208

1A88 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	0.942944
Aug 01, 2008	Aug 29, 2008	0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011	Feb 28, 2011	0.641475
Mar 01, 2011	Mar 31, 2011	0.632922
Apr 01, 2011	Apr 29, 2011	0.621867
May 02, 2011	May 31, 2011	0.615857
Jun 01, 2011	Jun 30, 2011	0.607926
Jul 01, 2011	Jul 29, 2011	0.599864
Aug 01, 2011	Aug 31, 2011	0.592317

1A88 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543903
Mar 01, 2012	Mar 30, 2012	0.540377
Apr 02, 2012	Apr 30, 2012	0.531959
May 01, 2012	May 31, 2012	0.522027
Jun 01, 2012	Jun 29, 2012	0.516660
Jul 02, 2012	Jul 31, 2012	0.508468
Aug 01, 2012	Aug 31, 2012	0.500849
Sep 04, 2012	Sep 28, 2012	0.492964
Oct 01, 2012	Oct 31, 2012	0.482421
Nov 01, 2012	Nov 30, 2012	0.477154
Dec 03, 2012	Dec 31, 2012	0.472593
Jan 02, 2013	Jan 31, 2013	0.466205
Feb 01, 2013	Feb 28, 2013	0.457452
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.452017
May 01, 2013	May 31, 2013	0.445448
Jun 03, 2013	Jun 28, 2013	0.435441
Jul 01, 2013	Jul 31, 2013	0.428993
Aug 01, 2013	Aug 30, 2013	0.419727
Sep 03, 2013	Sep 30, 2013	0.407884
Oct 01, 2013	Oct 31, 2013	0.398832
Nov 01, 2013	Nov 29, 2013	0.387811
Dec 02, 2013	Dec 31, 2013	0.381720
Jan 02, 2014	Jan 31, 2014	0.376645
Feb 03, 2014	Feb 28, 2014	0.371940
Mar 03, 2014	Mar 31, 2014	0.368591
Apr 01, 2014	Apr 30, 2014	0.362739
May 01, 2014	May 30, 2014	0.356469
Jun 02, 2014	Jun 30, 2014	0.351187
Jul 01, 2014	Jul 31, 2014	0.346110
Aug 01, 2014	Aug 29, 2014	0.341557
Sep 02, 2014	Sep 30, 2014	0.335994
Oct 01, 2014	Oct 31, 2014	0.333949
Nov 03, 2014	Nov 28, 2014	0.328385
Dec 01, 2014	Dec 31, 2014	0.323627
Jan 02, 2015	Jan 30, 2015	0.318932
Feb 02, 2015	Feb 27, 2015	0.314561
Mar 02, 2015	Mar 31, 2015	0.312884
Apr 01, 2015	Apr 30, 2015	0.308522
May 01, 2015	May 29, 2015	0.304329
Jun 01, 2015		0.301647

1A89 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	0.000000
Aug 27, 2007	Sep 24, 2007	0.000000
Sep 25, 2007	Oct 24, 2007	0.000000
Oct 25, 2007	Nov 23, 2007	0.00000
Nov 26, 2007	Dec 24, 2007	0.00000
Dec 26, 2007	Jan 24, 2008	0.000000
Jan 25, 2008	Feb 22, 2008	0.000000
Feb 25, 2008	Mar 24, 2008	0.000000
Mar 25, 2008	Apr 24, 2008	0.000000
Apr 25, 2008	May 23, 2008	
May 27, 2008	Jun 24, 2008	0.000000
Jun 25, 2008	Jul 24, 2008	0.000000
Jul 25, 2008	Aug 22, 2008	0.000000
Aug 25, 2008	Sep 24, 2008	0.000000
Sep 25, 2008	Oct 24, 2008	0.000000
Oct 27, 2008	Nov 24, 2008	0.000000
Nov 25, 2008	Dec 24, 2008	0.000000
	Jan 23, 2009	0.000000
Dec 26, 2008		0.000000
Jan 26, 2009	Feb 24, 2009	0.000000
Feb 25, 2009	Mar 24, 2009	0.000000
Mar 25, 2009	Apr 24, 2009	0.000000
Apr 27, 2009	May 22, 2009	0.000000
May 26, 2009	Jun 24, 2009	0.000000
Jun 25, 2009	Jul 24, 2009	0.000000
Jul 27, 2009	Aug 24, 2009	0.000000
Aug 25, 2009	Sep 24, 2009	0.000000
Sep 25, 2009	Oct 23, 2009	0.000000
Oct 26, 2009	Nov 24, 2009	0.000000
Nov 25, 2009	Dec 24, 2009	0.000000
Dec 28, 2009	Jan 22, 2010	0.000000
Jan 25, 2010	Feb 24, 2010	0.000000
Feb 25, 2010	Mar 24, 2010	0.000000
Mar 25, 2010	Apr 23, 2010	0.000000
Apr 26, 2010	May 24, 2010	0.000000
May 25, 2010	Jun 24, 2010	0.000000
Jun 25, 2010	Jul 23, 2010	0.000000
Jul 26, 2010	Aug 24, 2010	0.000000
Aug 25, 2010	Sep 24, 2010	0.000000
Sep 27, 2010	Oct 22, 2010	0.000000
Oct 25, 2010	Nov 24, 2010	0.000000
Nov 26, 2010	Dec 23, 2010	0.000000
Dec 27, 2010	Jan 24, 2011	0.000000
Jan 25, 2011	Feb 24, 2011	0.000000
Feb 25, 2011	Mar 24, 2011	0.000000
Mar 25, 2011	Apr 22, 2011	0.000000
Apr 25, 2011	May 24, 2011	0.000000
May 25, 2011	Jun 24, 2011	0.000000
Jun 27, 2011	Jul 22, 2011	0.000000
Jul 25, 2011	Aug 24, 2011	0.000000
Aug 25, 2011	Sep 23, 2011	0.000000

1A89 Certificate Writedown Free Factor Chart

Sep 26, 2011 Oct 24, 2011 0.000000 Oct 25, 2011 Nov 23, 2011 0.000000 Nov 25, 2011 Dec 23, 2011 0.000000 Dec 27, 2011 Jan 24, 2012 0.000000 Jan 25, 2012 Feb 24, 2012 0.000000 Feb 27, 2012 Mar 23, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 Jul 25, 2012 Jul 24, 2012 0.000000 Jul 25, 2012 Aug 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Oct 25, 2012 Nov 23, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Nov 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Feb 25, 2013 Mar 24, 2013 0.000000 Mar 25, 2013 <t< th=""><th><u>From</u></th><th><u>To</u></th><th>Writedown Free Factor</th></t<>	<u>From</u>	<u>To</u>	Writedown Free Factor
Nov 25, 2011 Dec 23, 2011 0.000000 Dec 27, 2011 Jan 24, 2012 0.000000 Feb 27, 2012 Feb 24, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 Mar 26, 2012 May 24, 2012 0.000000 May 25, 2012 May 24, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jun 24, 2012 0.000000 Jun 25, 2012 Jun 24, 2012 0.000000 Jun 25, 2012 Jun 24, 2012 0.000000 Jun 25, 2012 Aug 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Oct 25, 2012 Nov 23, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Jun 24, 2014 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jun 27, 2014 Feb 24, 2014 0.000000 May 27, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 May 23, 2014 0.000000 Aug 25, 2014 May 23, 2014 0.000000 Aug 25, 2014 May 27, 2014 0.000000 Aug 25, 2014 Jun 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Jun 25, 2014 Dec 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2015 0.000000 Aug 25, 2015 May 22, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.0000000	Sep 26, 2011	Oct 24, 2011	0.000000
Dec 27, 2011 Jan 24, 2012 0.000000 Jan 25, 2012 Feb 24, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 Apr 25, 2012 Jun 22, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Aug 27, 2012 Aug 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Oct 25, 2013 Jun 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2012 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 24, 2013 0.000000 Apr 25, 2013 Mar 24, 2013 0.000000 Mar 25, 2013 Jun 24, 2013 0.000000 Mar 25, 2013 Mar 24, 2013 0.000000 Apr 25, 2013 Jun 24, 2013 0.000000 Apr 25, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2014 0.000000 Dec 26, 2014 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Aug 25, 2014 Mar 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 26, 2015 Feb 24, 2015 0.000000 Aug 26, 2015 Mar 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000	Oct 25, 2011	Nov 23, 2011	0.000000
Jan 25, 2012 Feb 24, 2012 0.000000 Feb 27, 2012 Mar 23, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 Apr 25, 2012 May 24, 2012 0.000000 Jun 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Oct 25, 2012 Nov 23, 2012 0.000000 Jan 25, 2013 Jan 24, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Aug 27, 2014 Jan 24, 2013 0.000000 Jan 25, 2013 Mar 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 Mar 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Apr 25, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Aug 26, 2013 Jan 24, 2014 0.000000 Apr 25, 2014 Mar 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Apr 25, 2014 Mar 24, 2014 0.000000 Aug 25, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 26, 2015 Feb 24, 2015 0.000000 Aug 26, 2015 Mar 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000	Nov 25, 2011	Dec 23, 2011	0.000000
Feb 27, 2012 Mar 23, 2012 0.000000 Mar 26, 2012 Apr 24, 2012 0.000000 Apr 25, 2012 May 24, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Oct 25, 2012 Nov 23, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2015 0.000000 Aug 26, 2015 Feb 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000	Dec 27, 2011	Jan 24, 2012	0.000000
Mar 26, 2012	Jan 25, 2012	Feb 24, 2012	0.000000
Apr 25, 2012 May 24, 2012 0.000000 May 25, 2012 Jun 22, 2012 0.000000 Jun 25, 2012 Jul 24, 2012 0.000000 Jul 25, 2012 Aug 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Oct 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 May 23, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2015 May 22, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000 Aug 26, 2015 Jun 24, 2015 0.000000	Feb 27, 2012	Mar 23, 2012	0.000000
May 25, 2012 Jun 22, 2012 Jun 25, 2012 Jul 24, 2012 O.000000 Jul 25, 2012 Aug 24, 2012 O.000000 Aug 27, 2012 Sep 24, 2012 O.000000 Sep 25, 2012 Oct 24, 2012 O.000000 Nov 26, 2012 Dec 24, 2012 O.000000 Jan 25, 2013 Feb 22, 2013 O.000000 Mar 25, 2013 Mar 22, 2013 O.000000 May 28, 2013 Aug 24, 2013 O.000000 Aug 27, 2014 Aug 24, 2014 O.000000 Feb 25, 2013 Apr 24, 2013 O.000000 May 28, 2013 Jul 24, 2013 O.000000 Jun 25, 2013 Aug 23, 2013 O.000000 Aug 26, 2013 Dec 24, 2013 O.000000 Jul 25, 2013 Aug 23, 2013 O.000000 Aug 26, 2013 Sep 24, 2013 O.000000 Aug 26, 2013 Dec 24, 2013 O.000000 Aug 26, 2013 Dec 24, 2013 O.000000 Aug 26, 2013 Aug 27, 2014 Feb 24, 2014 O.000000 Jun 25, 2014 Aug 27, 2014 Aug 28, 2014 Aug 29, 2014 O.000000 Aug 27, 2014 Aug 28, 2014 O.000000 Aug 27, 2014 Aug 28, 2014 O.000000 Aug 28, 2014 Aug 29, 2014 O.000000 Aug 29, 2015 Oct 24, 2014 O.000000 Oct 25, 2014 Aug 29, 2014 O.000000 Aug 27, 2014 Aug 29, 2014 O.000000 Aug 26, 2014 Aug 27, 2014 Aug 29, 2014 O.000000 Aug 25, 2014 Aug 29, 2015 O.000000 Aug 26, 2015 Aug 29, 2015 O.000000 Aug 26, 2015 Aug 29, 2015 O.000000 Aug 26, 2015 Aug 29, 2015 O.0000000	Mar 26, 2012	Apr 24, 2012	0.000000
Jun 25, 2012 Jul 24, 2012 O.000000 Jul 25, 2012 Aug 24, 2012 O.000000 Aug 27, 2012 Sep 24, 2012 O.000000 Sep 25, 2012 Oct 24, 2012 O.000000 Nov 26, 2012 Dec 24, 2012 O.000000 Jan 25, 2013 Feb 22, 2013 O.000000 Mar 25, 2013 Mar 22, 2013 O.000000 Apr 25, 2013 May 24, 2013 O.000000 Apr 25, 2013 May 24, 2013 O.000000 May 28, 2013 Jun 24, 2013 O.000000 Jun 25, 2013 Jul 24, 2013 O.000000 Jul 25, 2013 Aug 23, 2013 O.000000 Jul 25, 2013 Aug 23, 2013 O.000000 Aug 26, 2013 Sep 24, 2013 O.000000 Sep 25, 2013 Oct 24, 2013 O.000000 Oct 25, 2013 Oct 24, 2013 O.000000 Oct 25, 2013 Oct 24, 2013 O.000000 Dec 26, 2013 Dec 24, 2013 O.000000 Aug 26, 2013 Dec 26, 2013 Oct 27, 2014 Aug 22, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Sep 24, 2014 O.000000 Aug 25, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Aug 27, 2014 Aug 27, 2014 Aug 28, 2015 O.000000 Aug 26, 2015 Aug 27, 2015 Aug 27, 2015 Aug 28, 2015 O.000000 Aug 26, 2015 Aug 27, 2015 Aug 2015 O.000000 Aug 26, 2015 Aug 27, 20	Apr 25, 2012	May 24, 2012	0.000000
Jul 25, 2012 Aug 24, 2012 0.000000 Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Feb 25, 2013 Feb 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 Mar 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 May 24, 2013 0.000000 Jun 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jul 25, 2013 Aug 23, 2013 0.000000 Jul 25, 2013 Aug 23, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Oct 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 May 27, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Sep 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Sep 24, 2014 0.000000 Jun 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Jun 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Mar 25, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	May 25, 2012	Jun 22, 2012	0.000000
Aug 27, 2012 Sep 24, 2012 0.000000 Sep 25, 2012 Oct 24, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Mar 25, 2013 Mar 22, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jun 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Sep 24, 2014 0.000000 Apr 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jun 23, 2015 0.000000 Apr 27, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 Apr 25, 2015 Jun 24, 2015 0.000000 Apr 25, 2015 Jun 24, 2015 0.000000 Apr 25, 2015 Jun 24, 2015 0.000000	Jun 25, 2012	Jul 24, 2012	0.000000
Sep 25, 2012 Oct 24, 2012 0.000000 Oct 25, 2012 Nov 23, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Mar 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Apr 25, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Nov 25, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Jul 25, 2012	Aug 24, 2012	0.000000
Oct 25, 2012 Nov 23, 2012 0.000000 Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Apr 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Aug 23, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Apr 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Jun 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Dec 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Aug 27, 2012	Sep 24, 2012	0.000000
Nov 26, 2012 Dec 24, 2012 0.000000 Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Apr 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jun 25, 2013 Aug 23, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Sep 25, 2012	Oct 24, 2012	0.000000
Dec 26, 2012 Jan 24, 2013 0.000000 Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Apr 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Jul 25, 2013 Aug 23, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Jul 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Aug 25, 2014 Dec 24, 2014 0.000000 Aug 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Oct 25, 2012	Nov 23, 2012	0.000000
Jan 25, 2013 Feb 22, 2013 0.000000 Feb 25, 2013 Mar 22, 2013 0.000000 Mar 25, 2013 Apr 24, 2013 0.000000 Apr 25, 2013 May 24, 2013 0.000000 May 28, 2013 Jun 24, 2013 0.000000 Jun 25, 2013 Jul 24, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Nov 25, 2013 Nov 22, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Aug 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 May 26, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Nov 26, 2012	Dec 24, 2012	0.000000
Feb 25, 2013	Dec 26, 2012	Jan 24, 2013	0.000000
Mar 25, 2013	Jan 25, 2013	Feb 22, 2013	0.000000
Apr 25, 2013	Feb 25, 2013	Mar 22, 2013	0.000000
May 28, 2013 Jun 24, 2013 Jun 25, 2013 Jul 24, 2013 O.000000 Jul 25, 2013 Aug 23, 2013 O.000000 Aug 26, 2013 Sep 24, 2013 Oct 24, 2013 Oct 24, 2013 O.000000 Oct 25, 2013 Nov 22, 2013 O.000000 Nov 25, 2013 Dec 24, 2013 O.000000 Dec 26, 2013 Jan 24, 2014 O.000000 Mar 25, 2014 Apr 24, 2014 O.000000 May 27, 2014 Jun 24, 2014 O.000000 Jul 25, 2014 Jul 24, 2014 O.000000 Aug 25, 2014 Aug 22, 2014 Oct 24, 2014 O.000000 Aug 25, 2014 Oct 24, 2014 Oct 24, 2014 O.000000 Oct 27, 2014 Nov 24, 2014 O.000000 Dec 26, 2014 Jun 26, 2015 Feb 24, 2015 O.000000 May 26, 2015 May 26, 2015 Jun 24, 2015 O.000000 May 26, 2015 Jun 24, 2015 O.000000 May 26, 2015 Jun 24, 2015 O.000000 Jun 25, 2015 Jun 24, 2015 O.000000 May 26, 2015 Jun 24, 2015 O.000000	Mar 25, 2013	Apr 24, 2013	0.000000
Jun 25, 2013 Jul 24, 2013 O.000000 Jul 25, 2013 Aug 23, 2013 O.000000 Sep 25, 2013 Oct 24, 2013 O.000000 Nov 25, 2013 Dec 24, 2013 O.000000 Dec 26, 2013 Jan 24, 2014 O.000000 Mar 25, 2014 Mar 24, 2014 O.000000 Apr 25, 2014 May 23, 2014 O.000000 May 27, 2014 Jun 24, 2014 O.000000 May 25, 2014 Jun 24, 2014 O.000000 Jun 25, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 22, 2014 O.000000 Aug 25, 2014 Aug 27, 2014 Aug 28, 2014 O.000000 Aug 27, 2014 Aug 29, 2014 O.000000 Aug 25, 2014 Oct 24, 2014 O.000000 Aug 25, 2014 Oct 24, 2014 O.000000 Sep 25, 2014 Oct 24, 2014 O.000000 Oct 27, 2014 Nov 24, 2014 O.000000 Dec 26, 2014 Jun 23, 2015 O.000000 Jan 26, 2015 Feb 24, 2015 O.000000 May 26, 2015 May 26, 2015 Jun 24, 2015 O.000000	Apr 25, 2013	May 24, 2013	0.000000
Jul 25, 2013 Aug 23, 2013 0.000000 Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 May 26, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	May 28, 2013	Jun 24, 2013	0.000000
Aug 26, 2013 Sep 24, 2013 0.000000 Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Mar 25, 2014 Mar 24, 2014 0.000000 Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Aug 22, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Aug 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jun 26, 2015 Feb 24, 2015 0.000000 May 26, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Jun 25, 2013	Jul 24, 2013	0.000000
Sep 25, 2013 Oct 24, 2013 0.000000 Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jul 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 <t< td=""><td>Jul 25, 2013</td><td>Aug 23, 2013</td><td>0.000000</td></t<>	Jul 25, 2013	Aug 23, 2013	0.000000
Oct 25, 2013 Nov 22, 2013 0.000000 Nov 25, 2013 Dec 24, 2013 0.000000 Dec 26, 2013 Jan 24, 2014 0.000000 Jan 27, 2014 Feb 24, 2014 0.000000 Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jun 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Sep 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Oct 27, 2014 Dec 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 May 26, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Aug 26, 2013	Sep 24, 2013	0.000000
Nov 25, 2013 Dec 24, 2014 Dec 26, 2013 Jan 24, 2014 Dec 26, 2014 Jan 27, 2014 Feb 24, 2014 Dec 26, 2014 Mar 24, 2014 Dec 26, 2014 Mar 25, 2014 Apr 24, 2014 Dec 26, 2014 Apr 27, 2014 Apr 28, 2014 Dec 28, 2014 Jun 29, 2014 Jun 29, 2014 Jun 29, 2014 Dec 29, 2015 Dec 2	Sep 25, 2013	Oct 24, 2013	0.000000
Dec 26, 2013	Oct 25, 2013	Nov 22, 2013	0.000000
Jan 27, 2014 Feb 24, 2014 0.000000 Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Nov 25, 2013	Dec 24, 2013	0.000000
Feb 25, 2014 Mar 24, 2014 0.000000 Mar 25, 2014 Apr 24, 2014 0.000000 Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Dec 26, 2013	Jan 24, 2014	0.000000
Mar 25, 2014	Jan 27, 2014	Feb 24, 2014	0.000000
Apr 25, 2014 May 23, 2014 0.000000 May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Feb 25, 2014	Mar 24, 2014	0.000000
May 27, 2014 Jun 24, 2014 0.000000 Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Mar 25, 2014	Apr 24, 2014	0.000000
Jun 25, 2014 Jul 24, 2014 0.000000 Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Mar 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Apr 25, 2014	May 23, 2014	0.000000
Jul 25, 2014 Aug 22, 2014 0.000000 Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	May 27, 2014	Jun 24, 2014	0.000000
Aug 25, 2014 Sep 24, 2014 0.000000 Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Jun 25, 2014	Jul 24, 2014	0.000000
Sep 25, 2014 Oct 24, 2014 0.000000 Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Jul 25, 2014	Aug 22, 2014	0.000000
Oct 27, 2014 Nov 24, 2014 0.000000 Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Aug 25, 2014	Sep 24, 2014	0.000000
Nov 25, 2014 Dec 24, 2014 0.000000 Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Sep 25, 2014	Oct 24, 2014	0.000000
Dec 26, 2014 Jan 23, 2015 0.000000 Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Oct 27, 2014	Nov 24, 2014	0.000000
Jan 26, 2015 Feb 24, 2015 0.000000 Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Nov 25, 2014	Dec 24, 2014	0.000000
Feb 25, 2015 Mar 24, 2015 0.000000 Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Dec 26, 2014	Jan 23, 2015	0.000000
Mar 25, 2015 Apr 24, 2015 0.000000 Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Jan 26, 2015	Feb 24, 2015	0.000000
Apr 27, 2015 May 22, 2015 0.000000 May 26, 2015 Jun 24, 2015 0.000000	Feb 25, 2015	Mar 24, 2015	0.000000
May 26, 2015 Jun 24, 2015 0.000000	Mar 25, 2015	Apr 24, 2015	0.000000
lun 2F 201F	Apr 27, 2015	May 22, 2015	0.000000
Jun 25, 2015 0.000000	May 26, 2015	Jun 24, 2015	0.000000
	Jun 25, 2015		0.000000

1A90 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.995466
Sep 04, 2007	Sep 28, 2007	0.989184
Oct 01, 2007	Oct 31, 2007	0.982623
Nov 01, 2007	Nov 30, 2007	0.979185
Dec 03, 2007	Dec 31, 2007	0.968923
Jan 02, 2008	Jan 31, 2008	0.962456
Feb 01, 2008	Feb 29, 2008	0.948636
Mar 03, 2008	Mar 31, 2008	0.941506
Apr 01, 2008	Apr 30, 2008	0.933406
May 01, 2008	May 30, 2008	0.930607
Jun 02, 2008	Jun 30, 2008	0.923816
Jul 01, 2008	Jul 31, 2008	0.915761
Aug 01, 2008	Aug 29, 2008	0.911826
Sep 02, 2008	Sep 30, 2008	0.905077
Oct 01, 2008	Oct 31, 2008	0.903658
Nov 03, 2008	Nov 28, 2008	0.899346
Dec 01, 2008	Dec 31, 2008	0.896944
Jan 02, 2009	Jan 30, 2009	0.893055
Feb 02, 2009	Feb 27, 2009	0.887255
Mar 02, 2009	Mar 31, 2009	0.878490
Apr 01, 2009	Apr 30, 2009	0.873477
May 01, 2009	May 29, 2009	0.862872
Jun 01, 2009	Jun 30, 2009	0.854772
Jul 01, 2009	Jul 31, 2009	0.845720
Aug 03, 2009	Aug 31, 2009	0.837527
Sep 01, 2009	Sep 30, 2009	0.833587
Oct 01, 2009	Oct 30, 2009	0.822105
Nov 02, 2009	Nov 30, 2009	0.820290
Dec 01, 2009	Dec 31, 2009	0.809519
Jan 04, 2010	Jan 29, 2010	0.801440
Feb 01, 2010	Feb 26, 2010	0.796434
Mar 01, 2010	Mar 31, 2010	0.793494
Apr 01, 2010	Apr 30, 2010	0.785632
May 03, 2010	May 28, 2010	0.765737
Jun 01, 2010	Jun 30, 2010	0.759198
Jul 01, 2010	Jul 30, 2010	0.749590
Aug 02, 2010	Aug 31, 2010	0.736920
Sep 01, 2010	Sep 30, 2010	0.729915
Oct 01, 2010	Oct 29, 2010	0.719992
Nov 01, 2010	Nov 30, 2010	0.707875
Dec 01, 2010	Dec 31, 2010	0.698537
Jan 03, 2011	Jan 31, 2011	0.689750
Feb 01, 2011	Feb 28, 2011	0.682508
Mar 01, 2011	Mar 31, 2011	0.674716
Apr 01, 2011	Apr 29, 2011	0.667134
May 02, 2011	May 31, 2011	0.662305
Jun 01, 2011	Jun 30, 2011	0.655648
Jul 01, 2011	Jul 29, 2011	0.645537
Aug 01, 2011	Aug 31, 2011	0.638723

1A90 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.629063
Oct 03, 2011	Oct 31, 2011	0.620565
Nov 01, 2011	Nov 30, 2011	0.617359
Dec 01, 2011	Dec 30, 2011	0.615913
Jan 03, 2012	Jan 31, 2012	0.612054
Feb 01, 2012	Feb 29, 2012	0.604684
Mar 01, 2012	Mar 30, 2012	0.602879
Apr 02, 2012	Apr 30, 2012	0.595590
May 01, 2012	May 31, 2012	0.583690
Jun 01, 2012	Jun 29, 2012	0.579820
Jul 02, 2012	Jul 31, 2012	0.569830
Aug 01, 2012	Aug 31, 2012	0.563907
Sep 04, 2012	Sep 28, 2012	0.556317
Oct 01, 2012	Oct 31, 2012	0.551911
Nov 01, 2012	Nov 30, 2012	0.547652
Dec 03, 2012	Dec 31, 2012	0.545568
Jan 02, 2013	Jan 31, 2013	0.541841
Feb 01, 2013	Feb 28, 2013	0.528433
Mar 01, 2013	Mar 29, 2013	0.523155
Apr 01, 2013	Apr 30, 2013	0.516693
May 01, 2013	May 31, 2013	0.512713
Jun 03, 2013	Jun 28, 2013	0.508274
Jul 01, 2013	Jul 31, 2013	0.503269
Aug 01, 2013	Aug 30, 2013	0.495175
Sep 03, 2013	Sep 30, 2013	0.491644
Oct 01, 2013	Oct 31, 2013	0.485867
Nov 01, 2013	Nov 29, 2013	0.478611
Dec 02, 2013	Dec 31, 2013	0.474553
Jan 02, 2014	Jan 31, 2014	0.471447
Feb 03, 2014	Feb 28, 2014	0.468823
Mar 03, 2014	Mar 31, 2014	0.467726
Apr 01, 2014	Apr 30, 2014	0.463641
May 01, 2014	May 30, 2014	0.458372
Jun 02, 2014	Jun 30, 2014	0.451849
Jul 01, 2014	Jul 31, 2014	0.448138
Aug 01, 2014	Aug 29, 2014	0.444969
Sep 02, 2014	Sep 30, 2014	0.436484
Oct 01, 2014	Oct 31, 2014	0.435023
Nov 03, 2014	Nov 28, 2014	0.429263
Dec 01, 2014	Dec 31, 2014	0.424667
Jan 02, 2015	Jan 30, 2015	0.421850
Feb 02, 2015	Feb 27, 2015	0.419007
Mar 02, 2015	Mar 31, 2015	0.417392
Apr 01, 2015	Apr 30, 2015	0.412223
May 01, 2015	May 29, 2015	0.407700
Jun 01, 2015		0.406208

1A91 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.995466
Sep 04, 2007	Sep 28, 2007	0.989184
Oct 01, 2007	Oct 31, 2007	0.982623
Nov 01, 2007	Nov 30, 2007	0.979185
Dec 03, 2007	Dec 31, 2007	0.968923
Jan 02, 2008	Jan 31, 2008	0.962456
Feb 01, 2008	Feb 29, 2008	0.948636
Mar 03, 2008	Mar 31, 2008	0.941506
Apr 01, 2008	Apr 30, 2008	0.933406
May 01, 2008	May 30, 2008	0.930607
Jun 02, 2008	Jun 30, 2008	0.923816
Jul 01, 2008	Jul 31, 2008	0.915761
Aug 01, 2008	Aug 29, 2008	0.911826
Sep 02, 2008	Sep 30, 2008	0.905077
Oct 01, 2008	Oct 31, 2008	0.903658
Nov 03, 2008	Nov 28, 2008	0.899346
Dec 01, 2008	Dec 31, 2008	0.896944
Jan 02, 2009	Jan 30, 2009	0.893055
Feb 02, 2009	Feb 27, 2009	0.887255
Mar 02, 2009	Mar 31, 2009	0.878490
Apr 01, 2009	Apr 30, 2009	0.873477
May 01, 2009	May 29, 2009	0.862872
Jun 01, 2009	Jun 30, 2009	0.854772
Jul 01, 2009	Jul 31, 2009	0.845720
Aug 03, 2009	Aug 31, 2009	0.837527
Sep 01, 2009	Sep 30, 2009	0.833587
Oct 01, 2009	Oct 30, 2009	0.822105
Nov 02, 2009	Nov 30, 2009	0.820290
Dec 01, 2009	Dec 31, 2009	0.809519
Jan 04, 2010	Jan 29, 2010	0.801440
Feb 01, 2010	Feb 26, 2010	0.796434
Mar 01, 2010	Mar 31, 2010	0.793494
Apr 01, 2010	Apr 30, 2010	0.785632
May 03, 2010	May 28, 2010	0.765737
Jun 01, 2010	Jun 30, 2010	0.759198
Jul 01, 2010	Jul 30, 2010	0.749590
Aug 02, 2010	Aug 31, 2010	0.736920
Sep 01, 2010	Sep 30, 2010	0.729915
Oct 01, 2010	Oct 29, 2010	0.719992
Nov 01, 2010	Nov 30, 2010	0.707875
Dec 01, 2010	Dec 31, 2010	0.698537
Jan 03, 2011	Jan 31, 2011	0.689750
Feb 01, 2011	Feb 28, 2011	0.682508
Mar 01, 2011	Mar 31, 2011	0.674716
Apr 01, 2011	Apr 29, 2011	0.667134
May 02, 2011	May 31, 2011	0.662305
Jun 01, 2011	Jun 30, 2011	0.655648
Jul 01, 2011	Jul 29, 2011	0.645537
Aug 01, 2011	Aug 31, 2011	0.638723

1A91 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.629063
Oct 03, 2011	Oct 31, 2011	0.620565
Nov 01, 2011	Nov 30, 2011	0.617359
Dec 01, 2011	Dec 30, 2011	0.615913
Jan 03, 2012	Jan 31, 2012	0.612054
Feb 01, 2012	Feb 29, 2012	0.604684
Mar 01, 2012	Mar 30, 2012	0.602879
Apr 02, 2012	Apr 30, 2012	0.595590
May 01, 2012	May 31, 2012	0.583690
Jun 01, 2012	Jun 29, 2012	0.579820
Jul 02, 2012	Jul 31, 2012	0.569830
Aug 01, 2012	Aug 31, 2012	0.563907
Sep 04, 2012	Sep 28, 2012	0.563907
Oct 01, 2012	Oct 31, 2012	0.563907
Nov 01, 2012	Nov 30, 2012	0.563907
Dec 03, 2012	Dec 31, 2012	0.563907
Jan 02, 2013	Jan 31, 2013	0.563907
Feb 01, 2013	Feb 28, 2013	0.563907
Mar 01, 2013	Mar 29, 2013	0.563907
Apr 01, 2013	Apr 30, 2013	0.563907
May 01, 2013	May 31, 2013	0.563907
Jun 03, 2013	Jun 28, 2013	0.563907
Jul 01, 2013	Jul 31, 2013	0.563907
Aug 01, 2013	Aug 30, 2013	0.563907
Sep 03, 2013	Sep 30, 2013	0.563907
Oct 01, 2013	Oct 31, 2013	0.563907
Nov 01, 2013	Nov 29, 2013	0.563907
Dec 02, 2013	Dec 31, 2013	0.563907
Jan 02, 2014	Jan 31, 2014	0.563907
Feb 03, 2014	Feb 28, 2014	0.563907
Mar 03, 2014	Mar 31, 2014	0.563907
Apr 01, 2014	Apr 30, 2014	0.563907
May 01, 2014	May 30, 2014	0.563907
Jun 02, 2014	Jun 30, 2014	0.563907
Jul 01, 2014	Jul 31, 2014	0.563907
Aug 01, 2014	Aug 29, 2014	0.563907
Sep 02, 2014	Sep 30, 2014	0.563907
Oct 01, 2014	Oct 31, 2014	0.563907
Nov 03, 2014	Nov 28, 2014	0.563907
Dec 01, 2014	Dec 31, 2014	0.563907
Jan 02, 2015	Jan 30, 2015	0.563907
Feb 02, 2015	Feb 27, 2015	0.563907
Mar 02, 2015	Mar 31, 2015	0.563907
Apr 01, 2015	Apr 30, 2015	0.563907
May 01, 2015	May 29, 2015	0.563907
Jun 01, 2015		0.563907

1A92 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.995466
Sep 04, 2007	Sep 28, 2007	0.989184
Oct 01, 2007	Oct 31, 2007	0.982623
Nov 01, 2007	Nov 30, 2007	0.979185
Dec 03, 2007	Dec 31, 2007	0.968923
Jan 02, 2008	Jan 31, 2008	0.962456
Feb 01, 2008	Feb 29, 2008	0.948636
Mar 03, 2008	Mar 31, 2008	0.941506
Apr 01, 2008	Apr 30, 2008	0.933406
May 01, 2008	May 30, 2008	0.930607
Jun 02, 2008	Jun 30, 2008	0.923816
Jul 01, 2008	Jul 31, 2008	0.915761
Aug 01, 2008	Aug 29, 2008	0.911826
Sep 02, 2008	Sep 30, 2008	0.905077
Oct 01, 2008	Oct 31, 2008	0.903658
Nov 03, 2008	Nov 28, 2008	0.899346
Dec 01, 2008	Dec 31, 2008	0.896944
Jan 02, 2009	Jan 30, 2009	0.893055
Feb 02, 2009	Feb 27, 2009	0.887255
Mar 02, 2009	Mar 31, 2009	0.878490
Apr 01, 2009	Apr 30, 2009	0.873477
May 01, 2009	May 29, 2009	0.862872
Jun 01, 2009	Jun 30, 2009	0.854772
Jul 01, 2009	Jul 31, 2009	0.845720
Aug 03, 2009	Aug 31, 2009	0.837527
Sep 01, 2009	Sep 30, 2009	0.833587
Oct 01, 2009	Oct 30, 2009	0.822105
Nov 02, 2009	Nov 30, 2009	0.820290
Dec 01, 2009	Dec 31, 2009	0.809519
Jan 04, 2010	Jan 29, 2010	0.801440
Feb 01, 2010	Feb 26, 2010	0.796434
Mar 01, 2010	Mar 31, 2010	0.793494
Apr 01, 2010	Apr 30, 2010	0.785632
May 03, 2010	May 28, 2010	0.765737
Jun 01, 2010	Jun 30, 2010	0.759198
Jul 01, 2010	Jul 30, 2010	0.749590
Aug 02, 2010	Aug 31, 2010	0.736920
Sep 01, 2010	Sep 30, 2010	0.729915
Oct 01, 2010	Oct 29, 2010	0.719992
Nov 01, 2010	Nov 30, 2010	0.707875
Dec 01, 2010	Dec 31, 2010	0.698537
Jan 03, 2011	Jan 31, 2011	0.689750
Feb 01, 2011	Feb 28, 2011	0.682508
Mar 01, 2011	Mar 31, 2011	0.674716
Apr 01, 2011	Apr 29, 2011	0.667134
May 02, 2011	May 31, 2011	0.662305
Jun 01, 2011	Jun 30, 2011	0.655648
Jul 01, 2011	Jul 29, 2011	0.645537
Aug 01, 2011	Aug 31, 2011	0.638723

1A92 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.629063
Oct 03, 2011	Oct 31, 2011	0.620565
Nov 01, 2011	Nov 30, 2011	0.617359
Dec 01, 2011	Dec 30, 2011	0.615913
Jan 03, 2012	Jan 31, 2012	0.612054
Feb 01, 2012	Feb 29, 2012	0.604684
Mar 01, 2012	Mar 30, 2012	0.602879
Apr 02, 2012	Apr 30, 2012	0.595590
May 01, 2012	May 31, 2012	0.583690
Jun 01, 2012	Jun 29, 2012	0.579820
Jul 02, 2012	Jul 31, 2012	0.569830
Aug 01, 2012	Aug 31, 2012	0.563907
Sep 04, 2012	Sep 28, 2012	0.556629
Oct 01, 2012	Oct 31, 2012	0.552404
Nov 01, 2012	Nov 30, 2012	0.548319
Dec 03, 2012	Dec 31, 2012	0.546321
Jan 02, 2013	Jan 31, 2013	0.542747
Feb 01, 2013	Feb 28, 2013	0.529890
Mar 01, 2013	Mar 29, 2013	0.524828
Apr 01, 2013	Apr 30, 2013	0.518631
May 01, 2013	May 31, 2013	0.514815
Jun 03, 2013	Jun 28, 2013	0.510559
Jul 01, 2013	Jul 31, 2013	0.505759
Aug 01, 2013	Aug 30, 2013	0.497997
Sep 03, 2013	Sep 30, 2013	0.494612
Oct 01, 2013	Oct 31, 2013	0.489072
Nov 01, 2013	Nov 29, 2013	0.482114
Dec 02, 2013	Dec 31, 2013	0.478222
Jan 02, 2014	Jan 31, 2014	0.475244
Feb 03, 2014	Feb 28, 2014	0.472727
Mar 03, 2014	Mar 31, 2014	0.471676
Apr 01, 2014	Apr 30, 2014	0.467758
May 01, 2014	May 30, 2014	0.462706
Jun 02, 2014	Jun 30, 2014	0.456451
Jul 01, 2014	Jul 31, 2014	0.452892
Aug 01, 2014	Aug 29, 2014	0.449853
Sep 02, 2014	Sep 30, 2014	0.441717
Oct 01, 2014	Oct 31, 2014	0.440316
Nov 03, 2014	Nov 28, 2014	0.434792
Dec 01, 2014	Dec 31, 2014	0.430385
Jan 02, 2015	Jan 30, 2015	0.427683
Feb 02, 2015	Feb 27, 2015	0.424957
Mar 02, 2015	Mar 31, 2015	0.423409
Apr 01, 2015	Apr 30, 2015	0.418451
May 01, 2015	May 29, 2015	0.414114
Jun 01, 2015		0.412684

1A93 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	0.942944
Aug 01, 2008	Aug 29, 2008	0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011	Feb 28, 2011	0.641475
Mar 01, 2011	Mar 31, 2011	0.632922
Apr 01, 2011	Apr 29, 2011	0.621867
May 02, 2011	May 31, 2011	0.615857
Jun 01, 2011	Jun 30, 2011	0.607926
Jul 01, 2011	Jul 29, 2011	0.599864
Aug 01, 2011	Aug 31, 2011	0.592317

1A93 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540739
Apr 02, 2012	Apr 30, 2012	0.533536
May 01, 2012	May 31, 2012	0.525508
Jun 01, 2012	Jun 29, 2012	0.521765
Jul 02, 2012	Jul 31, 2012	0.516700
Aug 01, 2012	Aug 31, 2012	0.512604
Sep 04, 2012	Sep 28, 2012	0.509064
Oct 01, 2012	Oct 31, 2012	0.505065
Nov 01, 2012	Nov 30, 2012	0.503605
Dec 03, 2012	Dec 31, 2012	0.502541
Jan 02, 2013	Jan 31, 2013	0.501968
Feb 01, 2013	Feb 28, 2013	0.501968
Mar 01, 2013	Mar 29, 2013	0.501968
Apr 01, 2013	Apr 30, 2013	0.501968
May 01, 2013	May 31, 2013	0.501968
Jun 03, 2013	Jun 28, 2013	0.501968
Jul 01, 2013	Jul 31, 2013	0.501968
Aug 01, 2013	Aug 30, 2013	0.501968
Sep 03, 2013	Sep 30, 2013	0.501968
Oct 01, 2013	Oct 31, 2013	0.501968
Nov 01, 2013	Nov 29, 2013	0.501968
Dec 02, 2013	Dec 31, 2013	0.501968
Jan 02, 2014	Jan 31, 2014	0.501968
Feb 03, 2014	Feb 28, 2014	0.501968
Mar 03, 2014	Mar 31, 2014	0.501968
Apr 01, 2014	Apr 30, 2014	0.501968
May 01, 2014	May 30, 2014	0.501968
Jun 02, 2014	Jun 30, 2014	0.501968
Jul 01, 2014	Jul 31, 2014	0.501968
Aug 01, 2014	Aug 29, 2014	0.501968
Sep 02, 2014	Sep 30, 2014	0.501968
Oct 01, 2014	Oct 31, 2014	0.501968
Nov 03, 2014	Nov 28, 2014	0.501968
Dec 01, 2014	Dec 31, 2014	0.501968
Jan 02, 2015	Jan 30, 2015	0.501968
Feb 02, 2015	Feb 27, 2015	0.501968
Mar 02, 2015	Mar 31, 2015	0.501968
Apr 01, 2015	Apr 30, 2015	0.501968
May 01, 2015	May 29, 2015	0.501968
Jun 01, 2015		0.501968

1A94 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	0.942944
Aug 01, 2008	Aug 29, 2008	0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011	Feb 28, 2011	0.641475
Mar 01, 2011	Mar 31, 2011	0.632922
Apr 01, 2011	Apr 29, 2011	0.621867
May 02, 2011	May 31, 2011	0.615857
Jun 01, 2011	Jun 30, 2011	0.607926
Jul 01, 2011	Jul 29, 2011	0.599864
Aug 01, 2011	Aug 31, 2011	0.592317

1A94 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540740
Apr 02, 2012	Apr 30, 2012	0.533537
May 01, 2012	May 31, 2012	0.525510
Jun 01, 2012	Jun 29, 2012	0.521768
Jul 02, 2012	Jul 31, 2012	0.516705
Aug 01, 2012	Aug 31, 2012	0.512611
Sep 04, 2012	Sep 28, 2012	0.509074
Oct 01, 2012	Oct 31, 2012	0.505078
Nov 01, 2012	Nov 30, 2012	0.503621
Dec 03, 2012	Dec 31, 2012	0.502559
Jan 02, 2013	Jan 31, 2013	0.501990
Feb 01, 2013	Feb 28, 2013	0.501990
Mar 01, 2013	Mar 29, 2013	0.501990
Apr 01, 2013	Apr 30, 2013	0.501990
May 01, 2013	May 31, 2013	0.501990
Jun 03, 2013	Jun 28, 2013	0.501990
Jul 01, 2013	Jul 31, 2013	0.501990
Aug 01, 2013	Aug 30, 2013	0.501990
Sep 03, 2013	Sep 30, 2013	0.501990
Oct 01, 2013	Oct 31, 2013	0.501990
Nov 01, 2013	Nov 29, 2013	0.501990
Dec 02, 2013	Dec 31, 2013	0.501990
Jan 02, 2014	Jan 31, 2014	0.501990
Feb 03, 2014	Feb 28, 2014	0.501990
Mar 03, 2014	Mar 31, 2014	0.501990
Apr 01, 2014	Apr 30, 2014	0.501990
May 01, 2014	May 30, 2014	0.501990
Jun 02, 2014	Jun 30, 2014	0.501990
Jul 01, 2014	Jul 31, 2014	0.501990
Aug 01, 2014	Aug 29, 2014	0.501990
Sep 02, 2014	Sep 30, 2014	0.501990
Oct 01, 2014	Oct 31, 2014	0.501990
Nov 03, 2014	Nov 28, 2014	0.501990
Dec 01, 2014	Dec 31, 2014	0.501990
Jan 02, 2015	Jan 30, 2015	0.501990
Feb 02, 2015	Feb 27, 2015	0.501990
Mar 02, 2015	Mar 31, 2015	0.501990
Apr 01, 2015	Apr 30, 2015	0.501990
May 01, 2015	May 29, 2015	0.501990
Jun 01, 2015		0.501990

1A95 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	0.942944
Aug 01, 2008	Aug 29, 2008	0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	
May 01, 2009	May 29, 2009	0.885229
Jun 01, 2009	Jun 30, 2009	0.870030
Jul 01, 2009	Jul 31, 2009	0.856100
Aug 03, 2009	Aug 31, 2009	0.843630
Sep 01, 2009	Sep 30, 2009	0.829515
Oct 01, 2009	Oct 30, 2009	0.822961
Nov 02, 2009	Nov 30, 2009	0.813760 0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011	Feb 28, 2011	0.641475
Mar 01, 2011	Mar 31, 2011	0.632922
Apr 01, 2011	Apr 29, 2011	0.621867
May 02, 2011	May 31, 2011	0.615857
Jun 01, 2011	Jun 30, 2011	0.607926
Jul 01, 2011	Jul 29, 2011	0.599864
Aug 01, 2011	Aug 31, 2011	0.592317

1A95 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.544243
Mar 01, 2012	Mar 30, 2012	0.541284
Apr 02, 2012	Apr 30, 2012	0.534535
May 01, 2012	May 31, 2012	0.527044
Jun 01, 2012	Jun 29, 2012	0.523590
Jul 02, 2012	Jul 31, 2012	0.518968
Aug 01, 2012	Aug 31, 2012	0.515280
Sep 04, 2012	Sep 28, 2012	0.512164
Oct 01, 2012	Oct 31, 2012	0.508730
Nov 01, 2012	Nov 30, 2012	0.507553
Dec 03, 2012	Dec 31, 2012	0.506731
Jan 02, 2013	Jan 31, 2013	0.506498
Feb 01, 2013	Feb 28, 2013	0.506498
Mar 01, 2013	Mar 29, 2013	0.506498
Apr 01, 2013	Apr 30, 2013	0.506498
May 01, 2013	May 31, 2013	0.506498
Jun 03, 2013	Jun 28, 2013	0.506498
Jul 01, 2013	Jul 31, 2013	0.506498
Aug 01, 2013	Aug 30, 2013	0.506498
Sep 03, 2013	Sep 30, 2013	0.506498
Oct 01, 2013	Oct 31, 2013	0.506498
Nov 01, 2013	Nov 29, 2013	0.506498
Dec 02, 2013	Dec 31, 2013	0.506498
Jan 02, 2014	Jan 31, 2014	0.506498
Feb 03, 2014	Feb 28, 2014	0.506498
Mar 03, 2014	Mar 31, 2014	0.506498
Apr 01, 2014	Apr 30, 2014	0.506498
May 01, 2014	May 30, 2014	0.506498
Jun 02, 2014	Jun 30, 2014	0.506498
Jul 01, 2014	Jul 31, 2014	0.506498
Aug 01, 2014	Aug 29, 2014	0.506498
Sep 02, 2014	Sep 30, 2014	0.506498
Oct 01, 2014	Oct 31, 2014	0.506498
Nov 03, 2014	Nov 28, 2014	0.506498
Dec 01, 2014	Dec 31, 2014	0.506498
Jan 02, 2015	Jan 30, 2015	0.506498
Feb 02, 2015	Feb 27, 2015	0.506498
Mar 02, 2015	Mar 31, 2015	0.506498
Apr 01, 2015	Apr 30, 2015	0.506498
May 01, 2015	May 29, 2015	0.506498
Jun 01, 2015		0.506498

1A96 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	
Jan 02, 2008	Jan 31, 2008	0.983433
Feb 01, 2008	Feb 29, 2008	0.978847
Mar 03, 2008	Mar 31, 2008	0.973845
Apr 01, 2008	Apr 30, 2008	0.969396
May 01, 2008	May 30, 2008	0.963237
Jun 02, 2008	Jun 30, 2008	0.956658
Jul 01, 2008	Jul 31, 2008	0.950492
Aug 01, 2008	Aug 29, 2008	0.942944
		0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011	Feb 28, 2011	0.641475
Mar 01, 2011	Mar 31, 2011	0.632922
Apr 01, 2011	Apr 29, 2011	0.621867
May 02, 2011	May 31, 2011	0.615857
Jun 01, 2011	Jun 30, 2011	0.607926
Jul 01, 2011	Jul 29, 2011	0.599864
Aug 01, 2011	Aug 31, 2011	0.592317

1A96 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540340
Apr 02, 2012	Apr 30, 2012	0.531855
May 01, 2012	May 31, 2012	0.521824
Jun 01, 2012	Jun 29, 2012	0.516379
Jul 02, 2012	Jul 31, 2012	0.508042
Aug 01, 2012	Aug 31, 2012	0.500263
Sep 04, 2012	Sep 28, 2012	0.492185
Oct 01, 2012	Oct 31, 2012	0.481353
Nov 01, 2012	Nov 30, 2012	0.475920
Dec 03, 2012	Dec 31, 2012	0.471207
Jan 02, 2013	Jan 31, 2013	0.464569
Feb 01, 2013	Feb 28, 2013	0.455448
Mar 01, 2013	Mar 29, 2013	0.449784
Apr 01, 2013	Apr 30, 2013	0.442938
May 01, 2013	May 31, 2013	0.432510
Jun 03, 2013	Jun 28, 2013	0.425790
Jul 01, 2013	Jul 31, 2013	0.416135
Aug 01, 2013	Aug 30, 2013	0.403793
Sep 03, 2013	Sep 30, 2013	0.394361
Oct 01, 2013	Oct 31, 2013	0.388725
Nov 01, 2013	Nov 29, 2013	0.382876
Dec 02, 2013	Dec 31, 2013	0.376529
Jan 02, 2014	Jan 31, 2014	0.371240
Feb 03, 2014	Feb 28, 2014	0.366338
Mar 03, 2014	Mar 31, 2014	0.362848
Apr 01, 2014	Apr 30, 2014	0.356751
May 01, 2014	May 30, 2014	0.350217
Jun 02, 2014	Jun 30, 2014	0.344712
Jul 01, 2014	Jul 31, 2014	0.339423
Aug 01, 2014	Aug 29, 2014	0.334678
Sep 02, 2014	Sep 30, 2014	0.328882
Oct 01, 2014	Oct 31, 2014	0.326751
Nov 03, 2014	Nov 28, 2014	0.320953
Dec 01, 2014	Dec 31, 2014	0.315995
Jan 02, 2015	Jan 30, 2015	0.311102
Feb 02, 2015	Feb 27, 2015	0.306548
Mar 02, 2015	Mar 31, 2015	0.304801
Apr 01, 2015	Apr 30, 2015	0.300256
May 01, 2015	May 29, 2015	0.295886
Jun 01, 2015		0.293092

1A97 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	0.942944
Aug 01, 2008	Aug 29, 2008	0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011 Mar 01, 2011	Feb 28, 2011 Mar 31, 2011	0.641475
Apr 01, 2011	Apr 29, 2011	0.632922
May 02, 2011	May 31, 2011	0.621867
Jun 01, 2011	Jun 30, 2011	0.615857
Jul 01, 2011	Jul 29, 2011	0.607926
Aug 01, 2011	Aug 31, 2011	0.599864
		0.592317

1A97 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540340
Apr 02, 2012	Apr 30, 2012	0.531855
May 01, 2012	May 31, 2012	0.521824
Jun 01, 2012	Jun 29, 2012	0.516379
Jul 02, 2012	Jul 31, 2012	0.508042
Aug 01, 2012	Aug 31, 2012	0.500263
Sep 04, 2012	Sep 28, 2012	0.492185
Oct 01, 2012	Oct 31, 2012	0.481353
Nov 01, 2012	Nov 30, 2012	0.475920
Dec 03, 2012	Dec 31, 2012	0.471207
Jan 02, 2013	Jan 31, 2013	0.464569
Feb 01, 2013	Feb 28, 2013	0.455461
Mar 01, 2013	Mar 29, 2013	0.449806
Apr 01, 2013	Apr 30, 2013	0.442970
May 01, 2013	May 31, 2013	0.432557
Jun 03, 2013	Jun 28, 2013	0.425847
Jul 01, 2013	Jul 31, 2013	0.416206
Aug 01, 2013	Aug 30, 2013	0.403882
Sep 03, 2013	Sep 30, 2013	0.394463
Oct 01, 2013	Oct 31, 2013	0.388835
Nov 01, 2013	Nov 29, 2013	0.382995
Dec 02, 2013	Dec 31, 2013	0.376656
Jan 02, 2014	Jan 31, 2014	0.371375
Feb 03, 2014	Feb 28, 2014	0.366480
Mar 03, 2014	Mar 31, 2014	0.362994
Apr 01, 2014	Apr 30, 2014	0.356905
May 01, 2014	May 30, 2014	0.350380
Jun 02, 2014	Jun 30, 2014	0.344884
Jul 01, 2014	Jul 31, 2014	0.339601
Aug 01, 2014	Aug 29, 2014	0.334863
Sep 02, 2014	Sep 30, 2014	0.329075
Oct 01, 2014	Oct 31, 2014	0.326947
Nov 03, 2014	Nov 28, 2014	0.321157
Dec 01, 2014	Dec 31, 2014	0.316206
Jan 02, 2015	Jan 30, 2015	0.311320
Feb 02, 2015	Feb 27, 2015	0.306771
Mar 02, 2015	Mar 31, 2015	0.305027
Apr 01, 2015	Apr 30, 2015	0.300488
May 01, 2015	May 29, 2015	0.296125
Jun 01, 2015		0.293334

1A98 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	0.942944
Aug 01, 2008	Aug 29, 2008	0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	
May 01, 2009	May 29, 2009	0.885229
Jun 01, 2009	Jun 30, 2009	0.870030
Jul 01, 2009	Jul 31, 2009	0.856100
Aug 03, 2009	Aug 31, 2009	0.843630
Sep 01, 2009	Sep 30, 2009	0.829515
Oct 01, 2009	Oct 30, 2009	0.822961
Nov 02, 2009	Nov 30, 2009	0.813760 0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011	Feb 28, 2011	0.641475
Mar 01, 2011	Mar 31, 2011	0.632922
Apr 01, 2011	Apr 29, 2011	0.621867
May 02, 2011	May 31, 2011	0.615857
Jun 01, 2011	Jun 30, 2011	0.607926
Jul 01, 2011	Jul 29, 2011	0.599864
Aug 01, 2011	Aug 31, 2011	0.592317

1A98 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540356
Apr 02, 2012	Apr 30, 2012	0.531920
May 01, 2012	May 31, 2012	0.521967
Jun 01, 2012	Jun 29, 2012	0.516589
Jul 02, 2012	Jul 31, 2012	0.508380
Aug 01, 2012	Aug 31, 2012	0.500745
Sep 04, 2012	Sep 28, 2012	0.492844
Oct 01, 2012	Oct 31, 2012	0.482278
Nov 01, 2012	Nov 30, 2012	0.477000
Dec 03, 2012	Dec 31, 2012	0.472430
Jan 02, 2013	Jan 31, 2013	0.466029
Feb 01, 2013	Feb 28, 2013	0.457263
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.451820
May 01, 2013	May 31, 2013	0.445241
Jun 03, 2013	Jun 28, 2013	0.435219
Jul 01, 2013	Jul 31, 2013	0.428762
Aug 01, 2013	Aug 30, 2013	0.419483
Sep 03, 2013	Sep 30, 2013	0.407623
Oct 01, 2013	Oct 31, 2013	0.398558
Nov 01, 2013	Nov 29, 2013	0.387522
Dec 02, 2013	Dec 31, 2013	0.381421
Jan 02, 2014	Jan 31, 2014	0.376339
Feb 03, 2014	Feb 28, 2014	0.371629
Mar 03, 2014	Mar 31, 2014	0.368274
Apr 01, 2014	Apr 30, 2014	0.362415
May 01, 2014	May 30, 2014	0.356136
Jun 02, 2014	Jun 30, 2014	0.350846
Jul 01, 2014	Jul 31, 2014	0.345763
Aug 01, 2014	Aug 29, 2014	0.341203
Sep 02, 2014	Sep 30, 2014	0.335633
Oct 01, 2014	Oct 31, 2014	0.333585
Nov 03, 2014	Nov 28, 2014	0.328013
Dec 01, 2014	Dec 31, 2014	0.323249
Jan 02, 2015	Jan 30, 2015	0.318547
Feb 02, 2015	Feb 27, 2015	0.314170
Mar 02, 2015	Mar 31, 2015	0.312491
Apr 01, 2015	Apr 30, 2015	0.308123
May 01, 2015	May 29, 2015	0.303924
Jun 01, 2015		0.301239

1A99 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.993496
Sep 25, 2007	Oct 24, 2007	0.980098
Oct 25, 2007	Nov 23, 2007	0.972100
Nov 26, 2007	Dec 24, 2007	0.967518
Dec 26, 2007	Jan 24, 2008	0.958037
Jan 25, 2008	Feb 22, 2008	0.946424
Feb 25, 2008	Mar 24, 2008	0.933759
Mar 25, 2008	Apr 24, 2008	0.922492
Apr 25, 2008	May 23, 2008	
May 27, 2008	Jun 24, 2008	0.916451
Jun 25, 2008	Jul 24, 2008	0.909349
Jul 25, 2008	Aug 22, 2008	0.903290
Aug 25, 2008	Sep 24, 2008	0.893732
Sep 25, 2008	Oct 24, 2008	0.891858
Oct 27, 2008	Nov 24, 2008	0.889359
Nov 25, 2008	Dec 24, 2008	0.889348
Dec 26, 2008	Jan 23, 2009	0.879968
Jan 26, 2009	Feb 24, 2009	0.879956
Feb 25, 2009	Mar 24, 2009	0.876029
	·	0.865727
Mar 25, 2009	Apr 24, 2009	0.843218
Apr 27, 2009	May 22, 2009	0.827879
May 26, 2009	Jun 24, 2009	0.798966
Jun 25, 2009	Jul 24, 2009	0.773263
Jul 27, 2009	Aug 24, 2009	0.751256
Aug 25, 2009	Sep 24, 2009	0.725084
Sep 25, 2009	Oct 23, 2009	0.718042
Oct 26, 2009	Nov 24, 2009	0.704304
Nov 25, 2009	Dec 24, 2009	0.695289
Dec 28, 2009	Jan 22, 2010	0.682262
Jan 25, 2010	Feb 24, 2010	0.665201
Feb 25, 2010	Mar 24, 2010	0.641690
Mar 25, 2010	Apr 23, 2010	0.635793
Apr 26, 2010	May 24, 2010	0.622648
May 25, 2010	Jun 24, 2010	0.613277
Jun 25, 2010	Jul 23, 2010	0.606080
Jul 26, 2010	Aug 24, 2010	0.588608
Aug 25, 2010	Sep 24, 2010	0.565121
Sep 27, 2010	Oct 22, 2010	0.545516
Oct 25, 2010	Nov 24, 2010	0.519757
Nov 26, 2010	Dec 23, 2010	0.493086
Dec 27, 2010	Jan 24, 2011	0.467304
Jan 25, 2011	Feb 24, 2011	0.438681
Feb 25, 2011 Mar 25, 2011	Mar 24, 2011 Apr 22, 2011	0.421055
Apr 25, 2011	May 24, 2011	0.408954
May 25, 2011	Jun 24, 2011	0.390525
Jun 27, 2011	Jul 22, 2011	0.384857
Jul 25, 2011	Aug 24, 2011	0.374332
Aug 25, 2011	Sep 23, 2011	0.363473
Aug 23, 2011	Jep 23, 2011	0.357490

1A99 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.343969
Oct 25, 2011	Nov 23, 2011	0.337063
Nov 25, 2011	Dec 23, 2011	0.334386
Dec 27, 2011	Jan 24, 2012	0.330888
Jan 25, 2012	Feb 24, 2012	0.324626
Feb 27, 2012	Mar 23, 2012	0.320755
Mar 26, 2012	Apr 24, 2012	0.318662
Apr 25, 2012	May 24, 2012	0.313658
May 25, 2012	Jun 22, 2012	0.307742
Jun 25, 2012	Jul 24, 2012	0.304531
Jul 25, 2012	Aug 24, 2012	0.299614
Aug 27, 2012	Sep 24, 2012	0.295027
Sep 25, 2012	Oct 24, 2012	0.290263
Oct 25, 2012	Nov 23, 2012	0.283874
Nov 26, 2012	Dec 24, 2012	0.280671
Dec 26, 2012	Jan 24, 2013	0.277891
Jan 25, 2013	Feb 22, 2013	0.273976
Feb 25, 2013	Mar 22, 2013	0.268597
Mar 25, 2013 Apr 25, 2013	Apr 24, 2013 May 24, 2013	0.265257
May 28, 2013	Jun 24, 2013	0.261219
Jun 25, 2013	Jul 24, 2013	0.255070
Jul 25, 2013	Aug 23, 2013	0.251107
Aug 26, 2013	Sep 24, 2013	0.245412
Sep 25, 2013	Oct 24, 2013	0.238134
Oct 25, 2013	Nov 22, 2013	0.232571
Nov 25, 2013	Dec 24, 2013	0.225799
Dec 26, 2013	Jan 24, 2014	0.222055
Jan 27, 2014	Feb 24, 2014	0.218936
Feb 25, 2014	Mar 24, 2014	0.216045
Mar 25, 2014	Apr 24, 2014	0.213987
Apr 25, 2014	May 23, 2014	0.210391
May 27, 2014	Jun 24, 2014	0.206538
Jun 25, 2014	Jul 24, 2014	0.203292
Jul 25, 2014	Aug 22, 2014	0.200172
Aug 25, 2014	Sep 24, 2014	0.197374
Sep 25, 2014	Oct 24, 2014	0.193956
Oct 27, 2014	Nov 24, 2014	0.192699
Nov 25, 2014	Dec 24, 2014	0.189280
Dec 26, 2014	Jan 23, 2015	0.186356
Jan 26, 2015	Feb 24, 2015	0.183470
Feb 25, 2015	Mar 24, 2015	0.180784
Mar 25, 2015	Apr 24, 2015	0.179754
Apr 27, 2015	May 22, 2015	0.177074
May 26, 2015	Jun 24, 2015	0.174497
Jun 25, 2015		0.172849

A100 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Aug 24, 2007	1.000000
Aug 27, 2007	Sep 24, 2007	0.993496
Sep 25, 2007	Oct 24, 2007	0.980098
Oct 25, 2007	Nov 23, 2007	0.972100
Nov 26, 2007	Dec 24, 2007	0.967518
Dec 26, 2007	Jan 24, 2008	0.958037
Jan 25, 2008	Feb 22, 2008	0.946424
Feb 25, 2008	Mar 24, 2008	0.933759
Mar 25, 2008	Apr 24, 2008	0.922492
Apr 25, 2008	May 23, 2008	0.916451
May 27, 2008	Jun 24, 2008	0.909349
Jun 25, 2008	Jul 24, 2008	0.903290
Jul 25, 2008	Aug 22, 2008	0.893732
Aug 25, 2008	Sep 24, 2008	0.891858
Sep 25, 2008	Oct 24, 2008	0.889359
Oct 27, 2008	Nov 24, 2008	0.889348
Nov 25, 2008	Dec 24, 2008	0.879968
Dec 26, 2008	Jan 23, 2009	0.879957
Jan 26, 2009	Feb 24, 2009	0.876029
Feb 25, 2009	Mar 24, 2009	0.865727
Mar 25, 2009	Apr 24, 2009	0.843218
Apr 27, 2009	May 22, 2009	0.827879
May 26, 2009	Jun 24, 2009	0.798966
Jun 25, 2009	Jul 24, 2009	0.773263
Jul 27, 2009	Aug 24, 2009	0.751256
Aug 25, 2009	Sep 24, 2009	0.725084
Sep 25, 2009	Oct 23, 2009	0.718042
Oct 26, 2009	Nov 24, 2009	0.704304
Nov 25, 2009	Dec 24, 2009	0.695289
Dec 28, 2009	Jan 22, 2010	0.682262
Jan 25, 2010	Feb 24, 2010	0.665201
Feb 25, 2010	Mar 24, 2010	0.641690
Mar 25, 2010	Apr 23, 2010	0.635793
Apr 26, 2010	May 24, 2010	0.622648
May 25, 2010	Jun 24, 2010	0.613277
Jun 25, 2010	Jul 23, 2010	0.606080
Jul 26, 2010	Aug 24, 2010	0.588608
Aug 25, 2010	Sep 24, 2010	0.565121
Sep 27, 2010	Oct 22, 2010	0.545516
Oct 25, 2010	Nov 24, 2010	0.519757
Nov 26, 2010	Dec 23, 2010	0.493086
Dec 27, 2010	Jan 24, 2011	0.467304
Jan 25, 2011	Feb 24, 2011	0.438681
Feb 25, 2011	Mar 24, 2011	0.421055
Mar 25, 2011	Apr 22, 2011	0.408954
Apr 25, 2011	May 24, 2011	0.390525
May 25, 2011	Jun 24, 2011	0.384857
Jun 27, 2011	Jul 22, 2011	0.374332
Jul 25, 2011	Aug 24, 2011	0.363473
Aug 25, 2011	Sep 23, 2011	0.357490

A100 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 26, 2011	Oct 24, 2011	0.343969
Oct 25, 2011	Nov 23, 2011	0.337063
Nov 25, 2011	Dec 23, 2011	0.334386
Dec 27, 2011	Jan 24, 2012	0.330888
Jan 25, 2012	Feb 24, 2012	0.324626
Feb 27, 2012	Mar 23, 2012	0.320755
Mar 26, 2012	Apr 24, 2012	0.318662
Apr 25, 2012	May 24, 2012	0.313658
May 25, 2012	Jun 22, 2012	0.307742
Jun 25, 2012	Jul 24, 2012	0.304531
Jul 25, 2012	Aug 24, 2012	0.299614
Aug 27, 2012	Sep 24, 2012	0.295027
Sep 25, 2012	Oct 24, 2012	0.290263
Oct 25, 2012	Nov 23, 2012	0.283874
Nov 26, 2012	Dec 24, 2012	0.280671
Dec 26, 2012	Jan 24, 2013	0.277891
Jan 25, 2013	Feb 22, 2013	0.273976
Feb 25, 2013	Mar 22, 2013	0.268597
Mar 25, 2013 Apr 25, 2013	Apr 24, 2013 May 24, 2013	0.265257
May 28, 2013	Jun 24, 2013	0.261219
Jun 25, 2013	Jul 24, 2013	0.255070
Jul 25, 2013	Aug 23, 2013	0.251107
Aug 26, 2013	Sep 24, 2013	0.245412
Sep 25, 2013	Oct 24, 2013	0.238134
Oct 25, 2013	Nov 22, 2013	0.232571
Nov 25, 2013	Dec 24, 2013	0.225799
Dec 26, 2013	Jan 24, 2014	0.222055
Jan 27, 2014	Feb 24, 2014	0.218936
Feb 25, 2014	Mar 24, 2014	0.216045
Mar 25, 2014	Apr 24, 2014	0.213987
Apr 25, 2014	May 23, 2014	0.210391
May 27, 2014	Jun 24, 2014	0.206538
Jun 25, 2014	Jul 24, 2014	0.203292
Jul 25, 2014	Aug 22, 2014	0.200172
Aug 25, 2014	Sep 24, 2014	0.197374
Sep 25, 2014	Oct 24, 2014	0.193956
Oct 27, 2014	Nov 24, 2014	0.192699
Nov 25, 2014	Dec 24, 2014	0.189280
Dec 26, 2014	Jan 23, 2015	0.186356
Jan 26, 2015	Feb 24, 2015	0.183470
Feb 25, 2015	Mar 24, 2015	0.180784
Mar 25, 2015	Apr 24, 2015	0.179754
Apr 27, 2015	May 22, 2015	0.177074
May 26, 2015	Jun 24, 2015	0.174497
Jun 25, 2015		0.172849

A101 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	0.942944
Aug 01, 2008	Aug 29, 2008	0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010 Nov 01, 2010	Oct 29, 2010 Nov 30, 2010	0.695569
Dec 01, 2010	Dec 31, 2010	0.681257
Jan 03, 2011	Jan 31, 2011	0.667296
Feb 01, 2011	Feb 28, 2011	0.652213
Mar 01, 2011	Mar 31, 2011	0.641475
Apr 01, 2011	Apr 29, 2011	0.632922
May 02, 2011	May 31, 2011	0.621867 0.615857
Jun 01, 2011	Jun 30, 2011	0.607926
Jul 01, 2011	Jul 29, 2011	0.599864
Aug 01, 2011	Aug 31, 2011	0.599864
<u> </u>	<u> </u>	0.332311

A101 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540356
Apr 02, 2012	Apr 30, 2012	0.531920
May 01, 2012	May 31, 2012	0.521967
Jun 01, 2012	Jun 29, 2012	0.516589
Jul 02, 2012	Jul 31, 2012	0.508380
Aug 01, 2012	Aug 31, 2012	0.500745
Sep 04, 2012	Sep 28, 2012	0.492844
Oct 01, 2012	Oct 31, 2012	0.482278
Nov 01, 2012	Nov 30, 2012	0.477000
Dec 03, 2012	Dec 31, 2012	0.472430
Jan 02, 2013	Jan 31, 2013	0.466029
Feb 01, 2013	Feb 28, 2013	0.457263
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.451819
May 01, 2013	May 31, 2013	0.445240
Jun 03, 2013	Jun 28, 2013	0.435219
Jul 01, 2013	Jul 31, 2013	0.428761
Aug 01, 2013	Aug 30, 2013	0.419483
Sep 03, 2013	Sep 30, 2013	0.407622
Oct 01, 2013	Oct 31, 2013	0.398558
Nov 01, 2013	Nov 29, 2013	0.387521
Dec 02, 2013	Dec 31, 2013	0.381421
Jan 02, 2014	Jan 31, 2014	0.376339
Feb 03, 2014	Feb 28, 2014	0.371628
Mar 03, 2014	Mar 31, 2014	0.368274
Apr 01, 2014	Apr 30, 2014	0.362414
May 01, 2014	May 30, 2014	0.356135
Jun 02, 2014	Jun 30, 2014	0.350845
Jul 01, 2014	Jul 31, 2014	0.345762
Aug 01, 2014	Aug 29, 2014	0.341202
Sep 02, 2014	Sep 30, 2014	0.335632
Oct 01, 2014	Oct 31, 2014	0.333584
Nov 03, 2014	Nov 28, 2014	0.328012
Dec 01, 2014	Dec 31, 2014	0.323248
Jan 02, 2015	Jan 30, 2015	0.318546
Feb 02, 2015	Feb 27, 2015	0.314169
Mar 02, 2015	Mar 31, 2015	0.312490
Apr 01, 2015	Apr 30, 2015	0.308122
May 01, 2015	May 29, 2015	0.303923
Jun 01, 2015		0.301238

A102 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	0.942944
Aug 01, 2008	Aug 29, 2008	0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011	Feb 28, 2011	0.641475
Mar 01, 2011	Mar 31, 2011	0.632922
Apr 01, 2011	Apr 29, 2011	0.621867
May 02, 2011	May 31, 2011	0.615857
Jun 01, 2011	Jun 30, 2011	0.607926
Jul 01, 2011	Jul 29, 2011	0.599864
Aug 01, 2011	Aug 31, 2011	0.592317

A102 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540356
Apr 02, 2012	Apr 30, 2012	0.531920
May 01, 2012	May 31, 2012	0.521967
Jun 01, 2012	Jun 29, 2012	0.516589
Jul 02, 2012	Jul 31, 2012	0.508380
Aug 01, 2012	Aug 31, 2012	0.500745
Sep 04, 2012	Sep 28, 2012	0.492844
Oct 01, 2012	Oct 31, 2012	0.482278
Nov 01, 2012	Nov 30, 2012	0.477000
Dec 03, 2012	Dec 31, 2012	0.472430
Jan 02, 2013	Jan 31, 2013	0.466029
Feb 01, 2013	Feb 28, 2013	0.457263
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.451819
May 01, 2013	May 31, 2013	0.445240
Jun 03, 2013	Jun 28, 2013	0.435219
Jul 01, 2013	Jul 31, 2013	0.428761
Aug 01, 2013	Aug 30, 2013	0.419483
Sep 03, 2013	Sep 30, 2013	0.407622
Oct 01, 2013	Oct 31, 2013	0.398558
Nov 01, 2013	Nov 29, 2013	0.387521
Dec 02, 2013	Dec 31, 2013	0.381421
Jan 02, 2014	Jan 31, 2014	0.376339
Feb 03, 2014	Feb 28, 2014	0.371628
Mar 03, 2014	Mar 31, 2014	0.368274
Apr 01, 2014	Apr 30, 2014	0.362414
May 01, 2014	May 30, 2014	0.356135
Jun 02, 2014	Jun 30, 2014	0.350845
Jul 01, 2014	Jul 31, 2014	0.345762
Aug 01, 2014	Aug 29, 2014	0.341202
Sep 02, 2014	Sep 30, 2014	0.335632
Oct 01, 2014	Oct 31, 2014	0.333584
Nov 03, 2014	Nov 28, 2014	0.328012
Dec 01, 2014	Dec 31, 2014	0.323248
Jan 02, 2015	Jan 30, 2015	0.318546
Feb 02, 2015	Feb 27, 2015	0.314169
Mar 02, 2015	Mar 31, 2015	0.312490
Apr 01, 2015	Apr 30, 2015	0.308122
May 01, 2015	May 29, 2015	0.303923
Jun 01, 2015		0.301238

A103 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	0.942944
Aug 01, 2008	Aug 29, 2008	0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011	Feb 28, 2011	0.641475
Mar 01, 2011	Mar 31, 2011	0.632922
Apr 01, 2011	Apr 29, 2011	0.621867
May 02, 2011	May 31, 2011	0.615857
Jun 01, 2011	Jun 30, 2011	0.607926
Jul 01, 2011	Jul 29, 2011	0.599864
Aug 01, 2011	Aug 31, 2011	0.592317

A103 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540356
Apr 02, 2012	Apr 30, 2012	0.531920
May 01, 2012	May 31, 2012	0.521967
Jun 01, 2012	Jun 29, 2012	0.516589
Jul 02, 2012	Jul 31, 2012	0.508380
Aug 01, 2012	Aug 31, 2012	0.500745
Sep 04, 2012	Sep 28, 2012	0.492844
Oct 01, 2012	Oct 31, 2012	0.482278
Nov 01, 2012	Nov 30, 2012	0.477000
Dec 03, 2012	Dec 31, 2012	0.472430
Jan 02, 2013	Jan 31, 2013	0.466029
Feb 01, 2013	Feb 28, 2013	0.457263
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.451819
May 01, 2013	May 31, 2013	0.445240
Jun 03, 2013	Jun 28, 2013	0.435219
Jul 01, 2013	Jul 31, 2013	0.428761
Aug 01, 2013	Aug 30, 2013	0.419483
Sep 03, 2013	Sep 30, 2013	0.407622
Oct 01, 2013	Oct 31, 2013	0.398558
Nov 01, 2013	Nov 29, 2013	0.387521
Dec 02, 2013	Dec 31, 2013	0.381421
Jan 02, 2014	Jan 31, 2014	0.376339
Feb 03, 2014	Feb 28, 2014	0.371628
Mar 03, 2014	Mar 31, 2014	0.368274
Apr 01, 2014	Apr 30, 2014	0.362414
May 01, 2014	May 30, 2014	0.356135
Jun 02, 2014	Jun 30, 2014	0.350845
Jul 01, 2014	Jul 31, 2014	0.345762
Aug 01, 2014	Aug 29, 2014	0.341202
Sep 02, 2014	Sep 30, 2014	0.335632
Oct 01, 2014	Oct 31, 2014	0.333584
Nov 03, 2014	Nov 28, 2014	0.328012
Dec 01, 2014	Dec 31, 2014	0.323248
Jan 02, 2015	Jan 30, 2015	0.318546
Feb 02, 2015	Feb 27, 2015	0.314169
Mar 02, 2015	Mar 31, 2015	0.312490
Apr 01, 2015	Apr 30, 2015	0.308122
May 01, 2015	May 29, 2015	0.303923
Jun 01, 2015		0.301238

A104 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	0.942944
Aug 01, 2008	Aug 29, 2008	0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	
May 01, 2009	May 29, 2009	0.885229
Jun 01, 2009	Jun 30, 2009	0.870030
Jul 01, 2009	Jul 31, 2009	0.856100
Aug 03, 2009	Aug 31, 2009	0.843630
Sep 01, 2009	Sep 30, 2009	0.829515
Oct 01, 2009	Oct 30, 2009	0.822961
Nov 02, 2009	Nov 30, 2009	0.813760 0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011	Feb 28, 2011	0.641475
Mar 01, 2011	Mar 31, 2011	0.632922
Apr 01, 2011	Apr 29, 2011	0.621867
May 02, 2011	May 31, 2011	0.615857
Jun 01, 2011	Jun 30, 2011	0.607926
Jul 01, 2011	Jul 29, 2011	0.599864
Aug 01, 2011	Aug 31, 2011	0.592317

A104 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540356
Apr 02, 2012	Apr 30, 2012	0.531920
May 01, 2012	May 31, 2012	0.521967
Jun 01, 2012	Jun 29, 2012	0.516589
Jul 02, 2012	Jul 31, 2012	0.508380
Aug 01, 2012	Aug 31, 2012	0.500745
Sep 04, 2012	Sep 28, 2012	0.492844
Oct 01, 2012	Oct 31, 2012	0.482278
Nov 01, 2012	Nov 30, 2012	0.477000
Dec 03, 2012	Dec 31, 2012	0.472430
Jan 02, 2013	Jan 31, 2013	0.466029
Feb 01, 2013	Feb 28, 2013	0.457263
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.451819
May 01, 2013	May 31, 2013	0.445240
Jun 03, 2013	Jun 28, 2013	0.435219
Jul 01, 2013	Jul 31, 2013	0.428761
Aug 01, 2013	Aug 30, 2013	0.419483
Sep 03, 2013	Sep 30, 2013	0.407622
Oct 01, 2013	Oct 31, 2013	0.398558
Nov 01, 2013	Nov 29, 2013	0.387521
Dec 02, 2013	Dec 31, 2013	0.381421
Jan 02, 2014	Jan 31, 2014	0.376339
Feb 03, 2014	Feb 28, 2014	0.371628
Mar 03, 2014	Mar 31, 2014	0.368274
Apr 01, 2014	Apr 30, 2014	0.362414
May 01, 2014	May 30, 2014	0.356135
Jun 02, 2014	Jun 30, 2014	0.350845
Jul 01, 2014	Jul 31, 2014	0.345762
Aug 01, 2014	Aug 29, 2014	0.341202
Sep 02, 2014	Sep 30, 2014	0.335632
Oct 01, 2014	Oct 31, 2014	0.333584
Nov 03, 2014	Nov 28, 2014	0.328012
Dec 01, 2014	Dec 31, 2014	0.323248
Jan 02, 2015	Jan 30, 2015	0.318546
Feb 02, 2015	Feb 27, 2015	0.314169
Mar 02, 2015	Mar 31, 2015	0.312490
Apr 01, 2015	Apr 30, 2015	0.308122
May 01, 2015	May 29, 2015	0.303923
Jun 01, 2015		0.301238

A105 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	0.942944
Aug 01, 2008	Aug 29, 2008	0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011	Feb 28, 2011	0.641475
Mar 01, 2011	Mar 31, 2011	0.632922
Apr 01, 2011	Apr 29, 2011	0.621867
May 02, 2011	May 31, 2011	0.615857
Jun 01, 2011	Jun 30, 2011	0.607926
Jul 01, 2011	Jul 29, 2011	0.599864
Aug 01, 2011	Aug 31, 2011	0.592317

A105 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540356
Apr 02, 2012	Apr 30, 2012	0.531920
May 01, 2012	May 31, 2012	0.521967
Jun 01, 2012	Jun 29, 2012	0.516589
Jul 02, 2012	Jul 31, 2012	0.508380
Aug 01, 2012	Aug 31, 2012	0.500745
Sep 04, 2012	Sep 28, 2012	0.492844
Oct 01, 2012	Oct 31, 2012	0.482278
Nov 01, 2012	Nov 30, 2012	0.477000
Dec 03, 2012	Dec 31, 2012	0.472430
Jan 02, 2013	Jan 31, 2013	0.466029
Feb 01, 2013	Feb 28, 2013	0.457263
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.451819
May 01, 2013	May 31, 2013	0.445240
Jun 03, 2013	Jun 28, 2013	0.435219
Jul 01, 2013	Jul 31, 2013	0.428761
Aug 01, 2013	Aug 30, 2013	0.419483
Sep 03, 2013	Sep 30, 2013	0.407622
Oct 01, 2013	Oct 31, 2013	0.398558
Nov 01, 2013	Nov 29, 2013	0.387521
Dec 02, 2013	Dec 31, 2013	0.381421
Jan 02, 2014	Jan 31, 2014	0.376339
Feb 03, 2014	Feb 28, 2014	0.371628
Mar 03, 2014	Mar 31, 2014	0.368274
Apr 01, 2014	Apr 30, 2014	0.362414
May 01, 2014	May 30, 2014	0.356135
Jun 02, 2014	Jun 30, 2014	0.350845
Jul 01, 2014	Jul 31, 2014	0.345762
Aug 01, 2014	Aug 29, 2014	0.341202
Sep 02, 2014	Sep 30, 2014	0.335632
Oct 01, 2014	Oct 31, 2014	0.333584
Nov 03, 2014	Nov 28, 2014	0.328012
Dec 01, 2014	Dec 31, 2014	0.323248
Jan 02, 2015	Jan 30, 2015	0.318546
Feb 02, 2015	Feb 27, 2015	0.314169
Mar 02, 2015	Mar 31, 2015	0.312490
Apr 01, 2015	Apr 30, 2015	0.308122
May 01, 2015	May 29, 2015	0.303923
Jun 01, 2015		0.301238

A106 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	0.942944
Aug 01, 2008	Aug 29, 2008	0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011 Mar 01, 2011	Feb 28, 2011 Mar 31, 2011	0.641475
Apr 01, 2011	Apr 29, 2011	0.632922
May 02, 2011	May 31, 2011	0.621867
Jun 01, 2011	Jun 30, 2011	0.615857
Jul 01, 2011	Jul 29, 2011	0.607926
Aug 01, 2011	Aug 31, 2011	0.599864
		0.592317

A106 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540356
Apr 02, 2012	Apr 30, 2012	0.531920
May 01, 2012	May 31, 2012	0.521967
Jun 01, 2012	Jun 29, 2012	0.516589
Jul 02, 2012	Jul 31, 2012	0.508380
Aug 01, 2012	Aug 31, 2012	0.500745
Sep 04, 2012	Sep 28, 2012	0.492844
Oct 01, 2012	Oct 31, 2012	0.482278
Nov 01, 2012	Nov 30, 2012	0.477000
Dec 03, 2012	Dec 31, 2012	0.472430
Jan 02, 2013	Jan 31, 2013	0.466029
Feb 01, 2013	Feb 28, 2013	0.457263
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.451819
May 01, 2013	May 31, 2013	0.445240
Jun 03, 2013	Jun 28, 2013	0.435219
Jul 01, 2013	Jul 31, 2013	0.428761
Aug 01, 2013	Aug 30, 2013	0.419483
Sep 03, 2013	Sep 30, 2013	0.407622
Oct 01, 2013	Oct 31, 2013	0.398558
Nov 01, 2013	Nov 29, 2013	0.387521
Dec 02, 2013	Dec 31, 2013	0.381421
Jan 02, 2014	Jan 31, 2014	0.376339
Feb 03, 2014	Feb 28, 2014	0.371628
Mar 03, 2014	Mar 31, 2014	0.368274
Apr 01, 2014	Apr 30, 2014	0.362414
May 01, 2014	May 30, 2014	0.356135
Jun 02, 2014	Jun 30, 2014	0.350845
Jul 01, 2014	Jul 31, 2014	0.345762
Aug 01, 2014	Aug 29, 2014	0.341202
Sep 02, 2014	Sep 30, 2014	0.335632
Oct 01, 2014	Oct 31, 2014	0.333584
Nov 03, 2014	Nov 28, 2014	0.328012
Dec 01, 2014	Dec 31, 2014	0.323248
Jan 02, 2015	Jan 30, 2015	0.318546
Feb 02, 2015	Feb 27, 2015	0.314169
Mar 02, 2015	Mar 31, 2015	0.312490
Apr 01, 2015	Apr 30, 2015	0.308122
May 01, 2015	May 29, 2015	0.303923
Jun 01, 2015		0.301238

A107 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	
Aug 01, 2008	Aug 29, 2008	0.942944
Sep 02, 2008	Sep 30, 2008	0.938432
Oct 01, 2008	Oct 31, 2008	0.933673
Nov 03, 2008	Nov 28, 2008	0.931829
Dec 01, 2008	Dec 31, 2008	0.924350
Jan 02, 2009	Jan 30, 2009	0.920896
Feb 02, 2009	Feb 27, 2009	0.915573
Mar 02, 2009	Mar 31, 2009	0.907730
Apr 01, 2009	Apr 30, 2009	0.895062
		0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011 Mar 01, 2011	Feb 28, 2011 Mar 31, 2011	0.641475
Apr 01, 2011	Apr 29, 2011	0.632922
May 02, 2011	May 31, 2011	0.621867
Jun 01, 2011	Jun 30, 2011	0.615857
Jul 01, 2011	Jul 29, 2011	0.607926
	-	0.599864
Aug 01, 2011	Aug 31, 2011	0.592317

A107 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540356
Apr 02, 2012	Apr 30, 2012	0.531920
May 01, 2012	May 31, 2012	0.521967
Jun 01, 2012	Jun 29, 2012	0.516589
Jul 02, 2012	Jul 31, 2012	0.508380
Aug 01, 2012	Aug 31, 2012	0.500745
Sep 04, 2012	Sep 28, 2012	0.492844
Oct 01, 2012	Oct 31, 2012	0.482278
Nov 01, 2012	Nov 30, 2012	0.477000
Dec 03, 2012	Dec 31, 2012	0.472430
Jan 02, 2013	Jan 31, 2013	0.466029
Feb 01, 2013	Feb 28, 2013	0.457263
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.451819
May 01, 2013	May 31, 2013	0.445240
Jun 03, 2013	Jun 28, 2013	0.435219
Jul 01, 2013	Jul 31, 2013	0.428761
Aug 01, 2013	Aug 30, 2013	0.419483
Sep 03, 2013	Sep 30, 2013	0.407622
Oct 01, 2013	Oct 31, 2013	0.398558
Nov 01, 2013	Nov 29, 2013	0.387521
Dec 02, 2013	Dec 31, 2013	0.381421
Jan 02, 2014	Jan 31, 2014	0.376339
Feb 03, 2014	Feb 28, 2014	0.371628
Mar 03, 2014	Mar 31, 2014	0.368274
Apr 01, 2014	Apr 30, 2014	0.362414
May 01, 2014	May 30, 2014	0.356135
Jun 02, 2014	Jun 30, 2014	0.350845
Jul 01, 2014	Jul 31, 2014	0.345762
Aug 01, 2014	Aug 29, 2014	0.341202
Sep 02, 2014	Sep 30, 2014	0.335632
Oct 01, 2014	Oct 31, 2014	0.333584
Nov 03, 2014	Nov 28, 2014	0.328012
Dec 01, 2014	Dec 31, 2014	0.323248
Jan 02, 2015	Jan 30, 2015	0.318546
Feb 02, 2015	Feb 27, 2015	0.314169
Mar 02, 2015	Mar 31, 2015	0.312490
Apr 01, 2015	Apr 30, 2015	0.308122
May 01, 2015	May 29, 2015	0.303923
Jun 01, 2015		0.301238

A108 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	0.942944
Aug 01, 2008	Aug 29, 2008	0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011	Feb 28, 2011	0.641475
Mar 01, 2011	Mar 31, 2011	0.632922
Apr 01, 2011	Apr 29, 2011	0.621867
May 02, 2011	May 31, 2011	0.615857
Jun 01, 2011	Jun 30, 2011	0.607926
Jul 01, 2011	Jul 29, 2011	0.599864
Aug 01, 2011	Aug 31, 2011	0.592317

A108 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540356
Apr 02, 2012	Apr 30, 2012	0.531920
May 01, 2012	May 31, 2012	0.521967
Jun 01, 2012	Jun 29, 2012	0.516589
Jul 02, 2012	Jul 31, 2012	0.508380
Aug 01, 2012	Aug 31, 2012	0.500745
Sep 04, 2012	Sep 28, 2012	0.492844
Oct 01, 2012	Oct 31, 2012	0.482278
Nov 01, 2012	Nov 30, 2012	0.477000
Dec 03, 2012	Dec 31, 2012	0.472430
Jan 02, 2013	Jan 31, 2013	0.466029
Feb 01, 2013	Feb 28, 2013	0.457263
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.451819
May 01, 2013	May 31, 2013	0.445240
Jun 03, 2013	Jun 28, 2013	0.435219
Jul 01, 2013	Jul 31, 2013	0.428761
Aug 01, 2013	Aug 30, 2013	0.419483
Sep 03, 2013	Sep 30, 2013	0.407622
Oct 01, 2013	Oct 31, 2013	0.398558
Nov 01, 2013	Nov 29, 2013	0.387521
Dec 02, 2013	Dec 31, 2013	0.381421
Jan 02, 2014	Jan 31, 2014	0.376339
Feb 03, 2014	Feb 28, 2014	0.371628
Mar 03, 2014	Mar 31, 2014	0.368274
Apr 01, 2014	Apr 30, 2014	0.362414
May 01, 2014	May 30, 2014	0.356135
Jun 02, 2014	Jun 30, 2014	0.350845
Jul 01, 2014	Jul 31, 2014	0.345762
Aug 01, 2014	Aug 29, 2014	0.341202
Sep 02, 2014	Sep 30, 2014	0.335632
Oct 01, 2014	Oct 31, 2014	0.333584
Nov 03, 2014	Nov 28, 2014	0.328012
Dec 01, 2014	Dec 31, 2014	0.323248
Jan 02, 2015	Jan 30, 2015	0.318546
Feb 02, 2015	Feb 27, 2015	0.314169
Mar 02, 2015	Mar 31, 2015	0.312490
Apr 01, 2015	Apr 30, 2015	0.308122
May 01, 2015	May 29, 2015	0.303923
Jun 01, 2015		0.301238

A109 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	
Aug 01, 2008	Aug 29, 2008	0.942944
Sep 02, 2008	Sep 30, 2008	0.938432
Oct 01, 2008	Oct 31, 2008	0.933673
Nov 03, 2008	Nov 28, 2008	0.931829
Dec 01, 2008	Dec 31, 2008	0.924350
Jan 02, 2009	Jan 30, 2009	0.920896
Feb 02, 2009	Feb 27, 2009	0.915573
Mar 02, 2009	Mar 31, 2009	0.907730
Apr 01, 2009	Apr 30, 2009	0.895062
		0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011 Mar 01, 2011	Feb 28, 2011 Mar 31, 2011	0.641475
Apr 01, 2011	Apr 29, 2011	0.632922
May 02, 2011	May 31, 2011	0.621867
Jun 01, 2011	Jun 30, 2011	0.615857
Jul 01, 2011	Jul 29, 2011	0.607926
	-	0.599864
Aug 01, 2011	Aug 31, 2011	0.592317

A109 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540356
Apr 02, 2012	Apr 30, 2012	0.531920
May 01, 2012	May 31, 2012	0.521967
Jun 01, 2012	Jun 29, 2012	0.516589
Jul 02, 2012	Jul 31, 2012	0.508380
Aug 01, 2012	Aug 31, 2012	0.500745
Sep 04, 2012	Sep 28, 2012	0.492844
Oct 01, 2012	Oct 31, 2012	0.482278
Nov 01, 2012	Nov 30, 2012	0.477000
Dec 03, 2012	Dec 31, 2012	0.472430
Jan 02, 2013	Jan 31, 2013	0.466029
Feb 01, 2013	Feb 28, 2013	0.457263
Mar 01, 2013	Mar 29, 2013	0.451819
Apr 01, 2013	Apr 30, 2013	0.445240
May 01, 2013	May 31, 2013	0.435219
Jun 03, 2013	Jun 28, 2013	0.428761
Jul 01, 2013	Jul 31, 2013	0.419483
Aug 01, 2013	Aug 30, 2013	0.407622
Sep 03, 2013	Sep 30, 2013	0.398558
Oct 01, 2013	Oct 31, 2013	0.393142
Nov 01, 2013	Nov 29, 2013	0.387521
Dec 02, 2013	Dec 31, 2013	0.381421
Jan 02, 2014	Jan 31, 2014	0.376339
Feb 03, 2014	Feb 28, 2014	0.371628
Mar 03, 2014	Mar 31, 2014	0.368274
Apr 01, 2014	Apr 30, 2014	0.362414
May 01, 2014	May 30, 2014	0.356135
Jun 02, 2014	Jun 30, 2014	0.350845
Jul 01, 2014	Jul 31, 2014	0.345762
Aug 01, 2014	Aug 29, 2014	0.341202
Sep 02, 2014	Sep 30, 2014	0.335632
Oct 01, 2014	Oct 31, 2014	0.333584
Nov 03, 2014	Nov 28, 2014	0.328012
Dec 01, 2014	Dec 31, 2014	0.323248
Jan 02, 2015	Jan 30, 2015	0.318546
Feb 02, 2015	Feb 27, 2015	0.314169
Mar 02, 2015	Mar 31, 2015	0.312490
Apr 01, 2015	Apr 30, 2015	0.308122
May 01, 2015	May 29, 2015	0.303923
Jun 01, 2015		0.301238

A110 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	
Jan 02, 2008	Jan 31, 2008	0.983433
Feb 01, 2008	Feb 29, 2008	0.978847
Mar 03, 2008	Mar 31, 2008	0.973845
Apr 01, 2008	Apr 30, 2008	0.969396
May 01, 2008	May 30, 2008	0.963237
Jun 02, 2008	Jun 30, 2008	0.956658
Jul 01, 2008	Jul 31, 2008	0.950492
Aug 01, 2008	Aug 29, 2008	0.942944
		0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011	Feb 28, 2011	0.641475
Mar 01, 2011	Mar 31, 2011	0.632922
Apr 01, 2011	Apr 29, 2011	0.621867
May 02, 2011	May 31, 2011	0.615857
Jun 01, 2011	Jun 30, 2011	0.607926
Jul 01, 2011	Jul 29, 2011	0.599864
Aug 01, 2011	Aug 31, 2011	0.592317

A110 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540356
Apr 02, 2012	Apr 30, 2012	0.531920
May 01, 2012	May 31, 2012	0.521967
Jun 01, 2012	Jun 29, 2012	0.516589
Jul 02, 2012	Jul 31, 2012	0.508380
Aug 01, 2012	Aug 31, 2012	0.500745
Sep 04, 2012	Sep 28, 2012	0.492844
Oct 01, 2012	Oct 31, 2012	0.482278
Nov 01, 2012	Nov 30, 2012	0.477000
Dec 03, 2012	Dec 31, 2012	0.472430
Jan 02, 2013	Jan 31, 2013	0.466029
Feb 01, 2013	Feb 28, 2013	0.457263
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.451819
May 01, 2013	May 31, 2013	0.445240
Jun 03, 2013	Jun 28, 2013	0.435219
Jul 01, 2013	Jul 31, 2013	0.428761
Aug 01, 2013	Aug 30, 2013	0.419483
Sep 03, 2013	Sep 30, 2013	0.407622
Oct 01, 2013	Oct 31, 2013	0.398558
Nov 01, 2013	Nov 29, 2013	0.387521
Dec 02, 2013	Dec 31, 2013	0.381421
Jan 02, 2014	Jan 31, 2014	0.376339
Feb 03, 2014	Feb 28, 2014	0.371628
Mar 03, 2014	Mar 31, 2014	0.368274
Apr 01, 2014	Apr 30, 2014	0.362414
May 01, 2014	May 30, 2014	0.356135
Jun 02, 2014	Jun 30, 2014	0.350845
Jul 01, 2014	Jul 31, 2014	0.345762
Aug 01, 2014	Aug 29, 2014	0.341202
Sep 02, 2014	Sep 30, 2014	0.335632
Oct 01, 2014	Oct 31, 2014	0.333584
Nov 03, 2014	Nov 28, 2014	0.328012
Dec 01, 2014	Dec 31, 2014	0.323248
Jan 02, 2015	Jan 30, 2015	0.318546
Feb 02, 2015	Feb 27, 2015	0.314169
Mar 02, 2015	Mar 31, 2015	0.312490
Apr 01, 2015	Apr 30, 2015	0.308122
May 01, 2015	May 29, 2015	0.303923
Jun 01, 2015		0.301238

A111 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	
May 01, 2008	May 30, 2008	0.963237
Jun 02, 2008	Jun 30, 2008	0.956658
Jul 01, 2008	Jul 31, 2008	0.950492
Aug 01, 2008	Aug 29, 2008	0.942944
Sep 02, 2008	Sep 30, 2008	0.938432
Oct 01, 2008	Oct 31, 2008	0.933673
Nov 03, 2008	Nov 28, 2008	0.931829
Dec 01, 2008	Dec 31, 2008	0.924350
Jan 02, 2009	•	0.920896
	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011	Feb 28, 2011	0.641475
Mar 01, 2011	Mar 31, 2011	0.632922
Apr 01, 2011	Apr 29, 2011	0.621867
May 02, 2011	May 31, 2011	0.615857
Jun 01, 2011	Jun 30, 2011	0.607926
Jul 01, 2011	Jul 29, 2011	0.599864
Aug 01, 2011	Aug 31, 2011	0.592317

A111 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540356
Apr 02, 2012	Apr 30, 2012	0.531920
May 01, 2012	May 31, 2012	0.521967
Jun 01, 2012	Jun 29, 2012	0.516589
Jul 02, 2012	Jul 31, 2012	0.508380
Aug 01, 2012	Aug 31, 2012	0.500745
Sep 04, 2012	Sep 28, 2012	0.492844
Oct 01, 2012	Oct 31, 2012	0.482278
Nov 01, 2012	Nov 30, 2012	0.477000
Dec 03, 2012	Dec 31, 2012	0.472430
Jan 02, 2013	Jan 31, 2013	0.466029
Feb 01, 2013	Feb 28, 2013	0.457263
Mar 01, 2013	Mar 29, 2013	0.451819
Apr 01, 2013	Apr 30, 2013	0.445240
May 01, 2013	May 31, 2013	0.435219
Jun 03, 2013	Jun 28, 2013	0.428761
Jul 01, 2013	Jul 31, 2013	0.419483
Aug 01, 2013	Aug 30, 2013	0.407622
Sep 03, 2013	Sep 30, 2013	0.398558
Oct 01, 2013	Oct 31, 2013	0.393142
Nov 01, 2013	Nov 29, 2013	0.387521
Dec 02, 2013	Dec 31, 2013	0.381421
Jan 02, 2014	Jan 31, 2014	0.376339
Feb 03, 2014	Feb 28, 2014	0.371628
Mar 03, 2014	Mar 31, 2014	0.368274
Apr 01, 2014	Apr 30, 2014	0.362414
May 01, 2014	May 30, 2014	0.356135
Jun 02, 2014	Jun 30, 2014	0.350845
Jul 01, 2014	Jul 31, 2014	0.345762
Aug 01, 2014	Aug 29, 2014	0.341202
Sep 02, 2014	Sep 30, 2014	0.335632
Oct 01, 2014	Oct 31, 2014	0.333584
Nov 03, 2014	Nov 28, 2014	0.328012
Dec 01, 2014	Dec 31, 2014	0.323248
Jan 02, 2015	Jan 30, 2015	0.318546
Feb 02, 2015	Feb 27, 2015	0.314169
Mar 02, 2015	Mar 31, 2015	0.312490
Apr 01, 2015	Apr 30, 2015	0.308122
May 01, 2015	May 29, 2015	0.303923
Jun 01, 2015		0.301238

A112 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.997433
Sep 04, 2007	Sep 28, 2007	0.992141
Oct 01, 2007	Oct 31, 2007	0.988984
Nov 01, 2007	Nov 30, 2007	0.987177
Dec 03, 2007	Dec 31, 2007	0.983433
Jan 02, 2008	Jan 31, 2008	0.978847
Feb 01, 2008	Feb 29, 2008	0.973845
Mar 03, 2008	Mar 31, 2008	0.969396
Apr 01, 2008	Apr 30, 2008	0.963237
May 01, 2008	May 30, 2008	0.956658
Jun 02, 2008	Jun 30, 2008	0.950492
Jul 01, 2008	Jul 31, 2008	0.942944
Aug 01, 2008	Aug 29, 2008	0.938432
Sep 02, 2008	Sep 30, 2008	0.933673
Oct 01, 2008	Oct 31, 2008	0.931829
Nov 03, 2008	Nov 28, 2008	0.924350
Dec 01, 2008	Dec 31, 2008	0.920896
Jan 02, 2009	Jan 30, 2009	0.915573
Feb 02, 2009	Feb 27, 2009	0.907730
Mar 02, 2009	Mar 31, 2009	0.895062
Apr 01, 2009	Apr 30, 2009	0.885229
May 01, 2009	May 29, 2009	0.870030
Jun 01, 2009	Jun 30, 2009	0.856100
Jul 01, 2009	Jul 31, 2009	0.843630
Aug 03, 2009	Aug 31, 2009	0.829515
Sep 01, 2009	Sep 30, 2009	0.822961
Oct 01, 2009	Oct 30, 2009	0.813760
Nov 02, 2009	Nov 30, 2009	0.806426
Dec 01, 2009	Dec 31, 2009	0.797506
Jan 04, 2010	Jan 29, 2010	0.786992
Feb 01, 2010	Feb 26, 2010	0.773929
Mar 01, 2010	Mar 31, 2010	0.767827
Apr 01, 2010	Apr 30, 2010	0.758861
May 03, 2010	May 28, 2010	0.751386
Jun 01, 2010	Jun 30, 2010	0.744771
Jul 01, 2010	Jul 30, 2010	0.734094
Aug 02, 2010	Aug 31, 2010	0.721041
Sep 01, 2010	Sep 30, 2010	0.709521
Oct 01, 2010	Oct 29, 2010	0.695569
Nov 01, 2010	Nov 30, 2010	0.681257
Dec 01, 2010	Dec 31, 2010	0.667296
Jan 03, 2011	Jan 31, 2011	0.652213
Feb 01, 2011 Mar 01, 2011	Feb 28, 2011 Mar 31, 2011	0.641475
Apr 01, 2011	Apr 29, 2011	0.632922
May 02, 2011	May 31, 2011	0.621867
Jun 01, 2011	Jun 30, 2011	0.615857
Jul 01, 2011	Jul 29, 2011	0.607926
Aug 01, 2011	Aug 31, 2011	0.599864
		0.592317

A112 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.581790
Oct 03, 2011	Oct 31, 2011	0.573878
Nov 01, 2011	Nov 30, 2011	0.567637
Dec 01, 2011	Dec 30, 2011	0.561072
Jan 03, 2012	Jan 31, 2012	0.550454
Feb 01, 2012	Feb 29, 2012	0.543889
Mar 01, 2012	Mar 30, 2012	0.540356
Apr 02, 2012	Apr 30, 2012	0.531920
May 01, 2012	May 31, 2012	0.521967
Jun 01, 2012	Jun 29, 2012	0.516589
Jul 02, 2012	Jul 31, 2012	0.508380
Aug 01, 2012	Aug 31, 2012	0.500745
Sep 04, 2012	Sep 28, 2012	0.492844
Oct 01, 2012	Oct 31, 2012	0.482278
Nov 01, 2012	Nov 30, 2012	0.477000
Dec 03, 2012	Dec 31, 2012	0.472430
Jan 02, 2013	Jan 31, 2013	0.466029
Feb 01, 2013	Feb 28, 2013	0.457263
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.451819
May 01, 2013	May 31, 2013	0.445240
Jun 03, 2013	Jun 28, 2013	0.435219
Jul 01, 2013	Jul 31, 2013	0.428761
Aug 01, 2013	Aug 30, 2013	0.419483
Sep 03, 2013	Sep 30, 2013	0.407622
Oct 01, 2013	Oct 31, 2013	0.398558
Nov 01, 2013	Nov 29, 2013	0.387521
Dec 02, 2013	Dec 31, 2013	0.381421
Jan 02, 2014	Jan 31, 2014	0.376339
Feb 03, 2014	Feb 28, 2014	0.371628
Mar 03, 2014	Mar 31, 2014	0.368274
Apr 01, 2014	Apr 30, 2014	0.362414
May 01, 2014	May 30, 2014	0.356135
Jun 02, 2014	Jun 30, 2014	0.350845
Jul 01, 2014	Jul 31, 2014	0.345762
Aug 01, 2014	Aug 29, 2014	0.341202
Sep 02, 2014	Sep 30, 2014	0.335632
Oct 01, 2014	Oct 31, 2014	0.333584
Nov 03, 2014	Nov 28, 2014	0.328012
Dec 01, 2014	Dec 31, 2014	0.323248
Jan 02, 2015	Jan 30, 2015	0.318546
Feb 02, 2015	Feb 27, 2015	0.314169
Mar 02, 2015	Mar 31, 2015	0.312490
Apr 01, 2015	Apr 30, 2015	0.308122
May 01, 2015	May 29, 2015	0.303923
Jun 01, 2015		0.301238

A113 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	0.000000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	0.000000
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	0.000000
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011	Feb 28, 2011	0.000000
Mar 01, 2011	Mar 31, 2011	0.000000
Apr 01, 2011	Apr 29, 2011	0.000000
May 02, 2011	May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000
Aug 01, 2011	Aug 31, 2011	0.000000

A113 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013 Apr 01, 2013	Mar 29, 2013 Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

A114 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.998190
Sep 04, 2007	Sep 28, 2007	0.991263
Oct 01, 2007	Oct 31, 2007	0.985774
Nov 01, 2007	Nov 30, 2007	0.980053
Dec 03, 2007	Dec 31, 2007	0.979440
Jan 02, 2008	Jan 31, 2008	0.971695
Feb 01, 2008	Feb 29, 2008	0.962080
Mar 03, 2008	Mar 31, 2008	0.956615
Apr 01, 2008	Apr 30, 2008	
May 01, 2008	May 30, 2008	0.946785
Jun 02, 2008	Jun 30, 2008	0.941877
Jul 01, 2008	Jul 31, 2008	0.929517
Aug 01, 2008	Aug 29, 2008	0.916411
Sep 02, 2008	Sep 30, 2008	0.912986
Oct 01, 2008	Oct 31, 2008	0.911908
Nov 03, 2008	Nov 28, 2008	0.910568
Dec 01, 2008	Dec 31, 2008	0.907721
		0.904433
Jan 02, 2009	Jan 30, 2009	0.899079
Feb 02, 2009	Feb 27, 2009	0.892875
Mar 02, 2009	Mar 31, 2009	0.888652
Apr 01, 2009	Apr 30, 2009	0.884483
May 01, 2009	May 29, 2009	0.879050
Jun 01, 2009	Jun 30, 2009	0.877724
Jul 01, 2009	Jul 31, 2009	0.864610
Aug 03, 2009	Aug 31, 2009	0.855954
Sep 01, 2009	Sep 30, 2009	0.849063
Oct 01, 2009	Oct 30, 2009	0.843711
Nov 02, 2009	Nov 30, 2009	0.838151
Dec 01, 2009	Dec 31, 2009	0.830823
Jan 04, 2010	Jan 29, 2010	0.828405
Feb 01, 2010	Feb 26, 2010	0.823032
Mar 01, 2010	Mar 31, 2010	0.818316
Apr 01, 2010	Apr 30, 2010	0.806551
May 03, 2010	May 28, 2010	0.805562
Jun 01, 2010	Jun 30, 2010	0.799828
Jul 01, 2010	Jul 30, 2010	0.797766
Aug 02, 2010	Aug 31, 2010	0.783336
Sep 01, 2010	Sep 30, 2010	0.778410
Oct 01, 2010	Oct 29, 2010	0.773468
Nov 01, 2010	Nov 30, 2010	0.765731
Dec 01, 2010	Dec 31, 2010	0.765274
Jan 03, 2011	Jan 31, 2011	0.748033
Feb 01, 2011	Feb 28, 2011	0.741187
Mar 01, 2011	Mar 31, 2011	0.734125
Apr 01, 2011	Apr 29, 2011	0.728654
May 02, 2011	May 31, 2011	0.726724
Jun 01, 2011	Jun 30, 2011	0.722297
Jul 01, 2011	Jul 29, 2011	0.714929
Aug 01, 2011	Aug 31, 2011	0.714414

A114 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.707461
Oct 03, 2011	Oct 31, 2011	0.695916
Nov 01, 2011	Nov 30, 2011	0.693679
Dec 01, 2011	Dec 30, 2011	0.693402
Jan 03, 2012	Jan 31, 2012	0.691170
Feb 01, 2012	Feb 29, 2012	0.690754
Mar 01, 2012	Mar 30, 2012	0.679649
Apr 02, 2012	Apr 30, 2012	0.668462
May 01, 2012	May 31, 2012	0.664117
Jun 01, 2012	Jun 29, 2012	0.660996
Jul 02, 2012	Jul 31, 2012	0.657061
Aug 01, 2012	Aug 31, 2012	0.654209
Sep 04, 2012	Sep 28, 2012	0.648293
Oct 01, 2012	Oct 31, 2012	0.644689
Nov 01, 2012	Nov 30, 2012	0.636241
Dec 03, 2012	Dec 31, 2012	0.629983
Jan 02, 2013	Jan 31, 2013	0.623472
Feb 01, 2013	Feb 28, 2013	0.622446
Mar 01, 2013	Mar 29, 2013	0.619167
Apr 01, 2013	Apr 30, 2013	0.617958
May 01, 2013	May 31, 2013	0.614661
Jun 03, 2013	Jun 28, 2013	0.600659
Jul 01, 2013	Jul 31, 2013	0.594131
Aug 01, 2013	Aug 30, 2013	0.590404
Sep 03, 2013	Sep 30, 2013	0.588962
Oct 01, 2013	Oct 31, 2013	0.584396
Nov 01, 2013	Nov 29, 2013	0.581146
Dec 02, 2013	Dec 31, 2013	0.579892
Jan 02, 2014	Jan 31, 2014	0.569871
Feb 03, 2014	Feb 28, 2014	0.564862
Mar 03, 2014	Mar 31, 2014	0.564647
Apr 01, 2014	Apr 30, 2014	0.563642
May 01, 2014	May 30, 2014	0.563642
Jun 02, 2014	Jun 30, 2014	0.559825
Jul 01, 2014	Jul 31, 2014	0.549926
Aug 01, 2014	Aug 29, 2014	0.541412
Sep 02, 2014	Sep 30, 2014	0.540223
Oct 01, 2014	Oct 31, 2014	0.538335
Nov 03, 2014	Nov 28, 2014	0.526769
Dec 01, 2014	Dec 31, 2014	0.523581
Jan 02, 2015	Jan 30, 2015	0.519921
Feb 02, 2015	Feb 27, 2015	0.519921
Mar 02, 2015	Mar 31, 2015	0.517011
Apr 01, 2015	Apr 30, 2015	0.509946
May 01, 2015	May 29, 2015	0.505866
Jun 01, 2015		0.503173

2A1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.995777
Sep 04, 2007	Sep 28, 2007	0.991731
Oct 01, 2007	Oct 31, 2007	0.987521
Nov 01, 2007	Nov 30, 2007	0.983474
Dec 03, 2007	Dec 31, 2007	0.979071
Jan 02, 2008	Jan 31, 2008	0.974194
Feb 01, 2008	Feb 29, 2008	0.969587
Mar 03, 2008	Mar 31, 2008	0.965049
Apr 01, 2008	Apr 30, 2008	0.948675
May 01, 2008	May 30, 2008	0.944062
Jun 02, 2008	Jun 30, 2008	0.812910
Jul 01, 2008	Jul 31, 2008	
Aug 01, 2008	Aug 29, 2008	0.808218
Sep 02, 2008	Sep 30, 2008	0.788650
Oct 01, 2008	Oct 31, 2008	0.784117
Nov 03, 2008	Nov 28, 2008	0.779366
Dec 01, 2008	Dec 31, 2008	0.761197
Jan 02, 2009	Jan 30, 2009	0.755613
Feb 02, 2009	Feb 27, 2009	0.751484
		0.670087
Mar 02, 2009	Mar 31, 2009	0.659707
Apr 01, 2009	Apr 30, 2009	0.626327
May 01, 2009	May 29, 2009	0.622444
Jun 01, 2009	Jun 30, 2009	0.616056
Jul 01, 2009	Jul 31, 2009	0.607470
Aug 03, 2009	Aug 31, 2009	0.603287
Sep 01, 2009	Sep 30, 2009	0.584164
Oct 01, 2009	Oct 30, 2009	0.577976
Nov 02, 2009	Nov 30, 2009	0.566370
Dec 01, 2009	Dec 31, 2009	0.561770
Jan 04, 2010	Jan 29, 2010	0.558414
Feb 01, 2010	Feb 26, 2010	0.555020
Mar 01, 2010	Mar 31, 2010	0.470379
Apr 01, 2010	Apr 30, 2010	0.467160
May 03, 2010	May 28, 2010	0.462885
Jun 01, 2010	Jun 30, 2010	0.459634
Jul 01, 2010	Jul 30, 2010	0.456832
Aug 02, 2010	Aug 31, 2010	0.453843
Sep 01, 2010	Sep 30, 2010	0.449684
Oct 01, 2010	Oct 29, 2010	0.446774
Nov 01, 2010	Nov 30, 2010	0.310407
Dec 01, 2010	Dec 31, 2010	0.307001
Jan 03, 2011	Jan 31, 2011	0.294739
Feb 01, 2011	Feb 28, 2011	0.233103
Mar 01, 2011	Mar 31, 2011	0.215492
Apr 01, 2011	Apr 29, 2011	0.212119
May 02, 2011	May 31, 2011	0.210345
Jun 01, 2011	Jun 30, 2011	0.207228
Jul 01, 2011	Jul 29, 2011	0.200282
Aug 01, 2011	Aug 31, 2011	0.122222

2A1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.121244
Oct 03, 2011	Oct 31, 2011	0.120202
Nov 01, 2011	Nov 30, 2011	0.119157
Dec 01, 2011	Dec 30, 2011	0.118049
Jan 03, 2012	Jan 31, 2012	0.117169
Feb 01, 2012	Feb 29, 2012	0.115377
Mar 01, 2012	Mar 30, 2012	0.114274
Apr 02, 2012	Apr 30, 2012	0.113520
May 01, 2012	May 31, 2012	0.112794
Jun 01, 2012	Jun 29, 2012	0.112069
Jul 02, 2012	Jul 31, 2012	0.111341
Aug 01, 2012	Aug 31, 2012	0.110610
Sep 04, 2012	Sep 28, 2012	0.109875
Oct 01, 2012	Oct 31, 2012	0.109137
Nov 01, 2012	Nov 30, 2012	0.081895
Dec 03, 2012	Dec 31, 2012	0.073483
Jan 02, 2013	Jan 31, 2013	0.072637
Feb 01, 2013	Feb 28, 2013	0.072124
Mar 01, 2013	Mar 29, 2013	0.071608
Apr 01, 2013	Apr 30, 2013	0.071090
May 01, 2013	May 31, 2013	0.070570
Jun 03, 2013	Jun 28, 2013	0.070047
Jul 01, 2013	Jul 31, 2013	0.069522
Aug 01, 2013	Aug 30, 2013	0.068994
Sep 03, 2013	Sep 30, 2013	0.068464
Oct 01, 2013	Oct 31, 2013	0.067931
Nov 01, 2013	Nov 29, 2013	0.067396
Dec 02, 2013	Dec 31, 2013	0.066844
Jan 02, 2014	Jan 31, 2014	0.066304
Feb 03, 2014	Feb 28, 2014	0.065747
Mar 03, 2014	Mar 31, 2014	0.065202
Apr 01, 2014	Apr 30, 2014	0.064701
May 01, 2014	May 30, 2014	0.064151
Jun 02, 2014	Jun 30, 2014	0.063598
Jul 01, 2014	Jul 31, 2014	0.063058
Aug 01, 2014	Aug 29, 2014	0.037332
Sep 02, 2014	Sep 30, 2014	0.036992
Oct 01, 2014	Oct 31, 2014	0.036652
Nov 03, 2014	Nov 28, 2014	0.036309
Dec 01, 2014	Dec 31, 2014	0.035966
Jan 02, 2015	Jan 30, 2015	0.035620
Feb 02, 2015	Feb 27, 2015	0.035273
Mar 02, 2015	Mar 31, 2015	0.034925
Apr 01, 2015	Apr 30, 2015	0.034574
May 01, 2015	May 29, 2015	0.034223
Jun 01, 2015		0.033869

2A2 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.992571
Sep 04, 2007	Sep 28, 2007	0.983604
Oct 01, 2007	Oct 31, 2007	0.978301
Nov 01, 2007	Nov 30, 2007	0.956700
Dec 03, 2007	Dec 31, 2007	0.949760
Jan 02, 2008	Jan 31, 2008	0.943685
Feb 01, 2008	Feb 29, 2008	0.920814
Mar 03, 2008	Mar 31, 2008	0.908208
Apr 01, 2008	Apr 30, 2008	0.891767
May 01, 2008	May 30, 2008	0.875889
Jun 02, 2008	Jun 30, 2008	0.867827
Jul 01, 2008	Jul 31, 2008	0.857826
Aug 01, 2008	Aug 29, 2008	0.843472
Sep 02, 2008	Sep 30, 2008	0.835364
Oct 01, 2008	Oct 31, 2008	0.829877
Nov 03, 2008	Nov 28, 2008	0.803767
Dec 01, 2008	Dec 31, 2008	0.798608
Jan 02, 2009	Jan 30, 2009	0.794045
Feb 02, 2009	Feb 27, 2009	0.763968
Mar 02, 2009	Mar 31, 2009	0.746421
Apr 01, 2009	Apr 30, 2009	0.735900
May 01, 2009	May 29, 2009	0.705623
Jun 01, 2009	Jun 30, 2009	0.675721
Jul 01, 2009	Jul 31, 2009	0.655455
Aug 03, 2009	Aug 31, 2009	0.641942
Sep 01, 2009	Sep 30, 2009	0.613098
Oct 01, 2009	Oct 30, 2009	0.592620
Nov 02, 2009	Nov 30, 2009	0.582185
Dec 01, 2009	Dec 31, 2009	0.567937
Jan 04, 2010	Jan 29, 2010	0.559657
Feb 01, 2010	Feb 26, 2010	0.554316
Mar 01, 2010	Mar 31, 2010	0.544726
Apr 01, 2010	Apr 30, 2010	0.533853
May 03, 2010	May 28, 2010	0.513222
Jun 01, 2010	Jun 30, 2010	0.500439
Jul 01, 2010	Jul 30, 2010	0.484899
Aug 02, 2010	Aug 31, 2010	0.466880
Sep 01, 2010	Sep 30, 2010	0.460898
Oct 01, 2010	Oct 29, 2010	0.424697
Nov 01, 2010	Nov 30, 2010	0.400759
Dec 01, 2010	Dec 31, 2010	0.374487
Jan 03, 2011	Jan 31, 2011	0.352476
Feb 01, 2011	Feb 28, 2011	0.338671
Mar 01, 2011	Mar 31, 2011	0.327746
Apr 01, 2011	Apr 29, 2011	0.310471
May 02, 2011	May 31, 2011	0.294259
Jun 01, 2011	Jun 30, 2011	0.281925
Jul 01, 2011	Jul 29, 2011	0.272510
Aug 01, 2011	Aug 31, 2011	0.267860

2A2 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.260499
Oct 03, 2011	Oct 31, 2011	0.250796
Nov 01, 2011	Nov 30, 2011	0.239237
Dec 01, 2011	Dec 30, 2011	0.228275
Jan 03, 2012	Jan 31, 2012	0.223618
Feb 01, 2012	Feb 29, 2012	0.196297
Mar 01, 2012	Mar 30, 2012	0.187687
Apr 02, 2012	Apr 30, 2012	0.174398
May 01, 2012	May 31, 2012	0.166005
Jun 01, 2012	Jun 29, 2012	0.163983
Jul 02, 2012	Jul 31, 2012	0.163374
Aug 01, 2012	Aug 31, 2012	0.157687
Sep 04, 2012	Sep 28, 2012	0.148892
Oct 01, 2012	Oct 31, 2012	0.136627
Nov 01, 2012	Nov 30, 2012	0.135446
Dec 03, 2012	Dec 31, 2012	0.118986
Jan 02, 2013	Jan 31, 2013	0.113727
Feb 01, 2013	Feb 28, 2013	0.112950
Mar 01, 2013	Mar 29, 2013	0.112162
Apr 01, 2013	Apr 30, 2013	0.109085
May 01, 2013	May 31, 2013	0.104885
Jun 03, 2013	Jun 28, 2013	0.097683
Jul 01, 2013	Jul 31, 2013	0.095452
Aug 01, 2013	Aug 30, 2013	0.090203
Sep 03, 2013	Sep 30, 2013	0.089567
Oct 01, 2013	Oct 31, 2013	0.084141
Nov 01, 2013	Nov 29, 2013	0.081517
Dec 02, 2013	Dec 31, 2013	0.080645
Jan 02, 2014	Jan 31, 2014	0.079977
Feb 03, 2014	Feb 28, 2014	0.079295
Mar 03, 2014	Mar 31, 2014	0.074777
Apr 01, 2014	Apr 30, 2014	0.073594
May 01, 2014	May 30, 2014	0.068611
Jun 02, 2014	Jun 30, 2014	0.067278
Jul 01, 2014	Jul 31, 2014	0.064906
Aug 01, 2014	Aug 29, 2014	0.060863
Sep 02, 2014	Sep 30, 2014	0.057783
Oct 01, 2014	Oct 31, 2014	0.053249
Nov 03, 2014	Nov 28, 2014	0.052107
Dec 01, 2014	Dec 31, 2014	0.048379
Jan 02, 2015	Jan 30, 2015	0.047945
Feb 02, 2015	Feb 27, 2015	0.046910
Mar 02, 2015	Mar 31, 2015	0.046294
Apr 01, 2015	Apr 30, 2015	0.045618
May 01, 2015	May 29, 2015	0.045172
Jun 01, 2015		0.044808

2A3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.984695
Sep 04, 2007	Sep 28, 2007	0.978667
Oct 01, 2007	Oct 31, 2007	0.973241
Nov 01, 2007	Nov 30, 2007	0.961617
Dec 03, 2007	Dec 31, 2007	0.951530
Jan 02, 2008	Jan 31, 2008	0.946901
Feb 01, 2008	Feb 29, 2008	0.927990
Mar 03, 2008	Mar 31, 2008	0.902007
Apr 01, 2008	Apr 30, 2008	_
May 01, 2008	May 30, 2008	0.886142
Jun 02, 2008	Jun 30, 2008	0.866289
Jul 01, 2008	Jul 31, 2008	0.848216
Aug 01, 2008	Aug 29, 2008	0.831360
Sep 02, 2008	Sep 30, 2008	0.814289
Oct 01, 2008	Oct 31, 2008	0.799179
Nov 03, 2008	Nov 28, 2008	0.793944
Dec 01, 2008	Dec 31, 2008	0.777534
Jan 02, 2009	Jan 30, 2009	0.771813
· · · · · · · · · · · · · · · · · · ·	Feb 27, 2009	0.766842
Feb 02, 2009		0.749863
Mar 02, 2009	Mar 31, 2009	0.734686
Apr 01, 2009	Apr 30, 2009	0.715550
May 01, 2009	May 29, 2009	0.704571
Jun 01, 2009	Jun 30, 2009	0.684342
Jul 01, 2009	Jul 31, 2009	0.660142
Aug 03, 2009	Aug 31, 2009	0.640085
Sep 01, 2009	Sep 30, 2009	0.617777
Oct 01, 2009	Oct 30, 2009	0.593694
Nov 02, 2009	Nov 30, 2009	0.582462
Dec 01, 2009	Dec 31, 2009	0.564755
Jan 04, 2010	Jan 29, 2010	0.553972
Feb 01, 2010	Feb 26, 2010	0.548822
Mar 01, 2010	Mar 31, 2010	0.539076
Apr 01, 2010	Apr 30, 2010	0.522327
May 03, 2010	May 28, 2010	0.506231
Jun 01, 2010	Jun 30, 2010	0.497086
Jul 01, 2010	Jul 30, 2010	0.482296
Aug 02, 2010	Aug 31, 2010	0.469561
Sep 01, 2010	Sep 30, 2010	0.452562
Oct 01, 2010	Oct 29, 2010	0.431434
Nov 01, 2010	Nov 30, 2010	0.408094
Dec 01, 2010	Dec 31, 2010	0.396121
Jan 03, 2011	Jan 31, 2011	0.370777
Feb 01, 2011	Feb 28, 2011	0.366659
Mar 01, 2011	Mar 31, 2011	0.358671
Apr 01, 2011	Apr 29, 2011 May 31, 2011	0.350370
May 02, 2011 Jun 01, 2011	Jun 30, 2011	0.336466
	•	0.330811
Jul 01, 2011	Jul 29, 2011	0.319480
Aug 01, 2011	Aug 31, 2011	0.314110

2A3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.307129
Oct 03, 2011	Oct 31, 2011	0.296081
Nov 01, 2011	Nov 30, 2011	0.291599
Dec 01, 2011	Dec 30, 2011	0.283424
Jan 03, 2012	Jan 31, 2012	0.271814
Feb 01, 2012	Feb 29, 2012	0.266301
Mar 01, 2012	Mar 30, 2012	0.249483
Apr 02, 2012	Apr 30, 2012	0.242151
May 01, 2012	May 31, 2012	0.224958
Jun 01, 2012	Jun 29, 2012	0.217155
Jul 02, 2012	Jul 31, 2012	0.213323
Aug 01, 2012	Aug 31, 2012	0.202786
Sep 04, 2012	Sep 28, 2012	0.194330
Oct 01, 2012	Oct 31, 2012	0.183674
Nov 01, 2012	Nov 30, 2012	0.181077
Dec 03, 2012	Dec 31, 2012	0.165675
Jan 02, 2013	Jan 31, 2013	0.161650
Feb 01, 2013	Feb 28, 2013	0.156385
Mar 01, 2013	Mar 29, 2013	0.155027
Apr 01, 2013	Apr 30, 2013	0.150961
May 01, 2013	May 31, 2013	0.149703
Jun 03, 2013	Jun 28, 2013	0.143405
Jul 01, 2013	Jul 31, 2013	0.133391
Aug 01, 2013	Aug 30, 2013	0.125444
Sep 03, 2013	Sep 30, 2013	0.124569
Oct 01, 2013	Oct 31, 2013	0.116839
Nov 01, 2013	Nov 29, 2013	0.112918
Dec 02, 2013	Dec 31, 2013	0.108778
Jan 02, 2014	Jan 31, 2014	0.107854
Feb 03, 2014	Feb 28, 2014	0.107054
Mar 03, 2014	Mar 31, 2014	0.104734
Apr 01, 2014	Apr 30, 2014	0.103641
May 01, 2014	May 30, 2014	0.099045
Jun 02, 2014	Jun 30, 2014	0.096859
Jul 01, 2014	Jul 31, 2014	0.084611
Aug 01, 2014	Aug 29, 2014	0.083601
Sep 02, 2014	Sep 30, 2014	0.081035
Oct 01, 2014	Oct 31, 2014	0.078929
Nov 03, 2014	Nov 28, 2014	0.076141
Dec 01, 2014	Dec 31, 2014	0.073101
Jan 02, 2015	Jan 30, 2015	0.070402
Feb 02, 2015	Feb 27, 2015	0.068377
Mar 02, 2015	Mar 31, 2015	0.065267
Apr 01, 2015	Apr 30, 2015	0.064557
May 01, 2015	May 29, 2015	0.061886
Jun 01, 2015		0.061197

2A4 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.968962
Sep 04, 2007	Sep 28, 2007	0.964977
Oct 01, 2007	Oct 31, 2007	0.960884
Nov 01, 2007	Nov 30, 2007	0.955473
Dec 03, 2007	Dec 31, 2007	0.944343
Jan 02, 2008	Jan 31, 2008	0.940151
Feb 01, 2008	Feb 29, 2008	0.935474
Mar 03, 2008	Mar 31, 2008	0.926277
Apr 01, 2008	Apr 30, 2008	0.921893
May 01, 2008	May 30, 2008	0.908198
Jun 02, 2008	Jun 30, 2008	0.887633
Jul 01, 2008	Jul 31, 2008	
Aug 01, 2008	Aug 29, 2008	0.883443
Sep 02, 2008	Sep 30, 2008	0.867643
Oct 01, 2008	Oct 31, 2008	0.859715
Nov 03, 2008	Nov 28, 2008	0.852233
Dec 01, 2008	Dec 31, 2008	0.849881
Jan 02, 2009	Jan 30, 2009	0.845149
Feb 02, 2009	Feb 27, 2009	0.815599
Mar 02, 2009	Mar 31, 2009	0.809104
Apr 01, 2009	Apr 30, 2009	0.792898
May 01, 2009	May 29, 2009	0.788074
Jun 01, 2009	Jun 30, 2009	0.780613
		0.774445
Jul 01, 2009	Jul 31, 2009	0.764895
Aug 03, 2009	Aug 31, 2009	0.746739
Sep 01, 2009	Sep 30, 2009	0.743209
Oct 01, 2009	Oct 30, 2009	0.733232
Nov 02, 2009	Nov 30, 2009	0.725682
Dec 01, 2009	Dec 31, 2009	0.713939
Jan 04, 2010 Feb 01, 2010	Jan 29, 2010 Feb 26, 2010	0.704046
		0.700210
Mar 01, 2010 Apr 01, 2010	Mar 31, 2010 Apr 30, 2010	0.696276
May 03, 2010	May 28, 2010	0.688010
Jun 01, 2010	Jun 30, 2010	0.660747
Jul 01, 2010	Jul 30, 2010	0.634415
Aug 02, 2010	Aug 31, 2010	0.627948
Sep 01, 2010	Sep 30, 2010	0.614946
Oct 01, 2010	Oct 29, 2010	0.610113
Nov 01, 2010	Nov 30, 2010	0.605672
Dec 01, 2010	Dec 31, 2010	0.600741
Jan 03, 2011	Jan 31, 2011	0.596304
Feb 01, 2011	Feb 28, 2011	0.592308
Mar 01, 2011	Mar 31, 2011	0.543481
Apr 01, 2011	Apr 29, 2011	0.538349
May 02, 2011	May 31, 2011	0.532386
Jun 01, 2011	Jun 30, 2011	0.528777
Jul 01, 2011	Jul 29, 2011	0.514787
Aug 01, 2011	Aug 31, 2011	0.510937
		1.12000,

2A4 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.504139
Oct 03, 2011	Oct 31, 2011	0.496138
Nov 01, 2011	Nov 30, 2011	0.492561
Dec 01, 2011	Dec 30, 2011	0.480346
Jan 03, 2012	Jan 31, 2012	0.470770
Feb 01, 2012	Feb 29, 2012	0.464583
Mar 01, 2012	Mar 30, 2012	0.458958
Apr 02, 2012	Apr 30, 2012	0.453210
May 01, 2012	May 31, 2012	0.441867
Jun 01, 2012	Jun 29, 2012	0.427970
Jul 02, 2012	Jul 31, 2012	0.400731
Aug 01, 2012	Aug 31, 2012	0.346674
Sep 04, 2012	Sep 28, 2012	0.335806
Oct 01, 2012	Oct 31, 2012	0.332418
Nov 01, 2012	Nov 30, 2012	0.326567
Dec 03, 2012	Dec 31, 2012	0.318281
Jan 02, 2013	Jan 31, 2013	0.315818
Feb 01, 2013	Feb 28, 2013	0.297108
Mar 01, 2013	Mar 29, 2013	0.292919
Apr 01, 2013	Apr 30, 2013	0.290451
May 01, 2013	May 31, 2013	0.288837
Jun 03, 2013	Jun 28, 2013	0.288837
Jul 01, 2013	Jul 31, 2013	0.284586
Aug 01, 2013	Aug 30, 2013	0.266322
Sep 03, 2013	Sep 30, 2013	0.264619
Oct 01, 2013	Oct 31, 2013	0.244182
Nov 01, 2013	Nov 29, 2013	0.242422
Dec 02, 2013	Dec 31, 2013	0.239920
Jan 02, 2014	Jan 31, 2014	0.236394
Feb 03, 2014	Feb 28, 2014	0.236186
Mar 03, 2014	Mar 31, 2014	0.235589
Apr 01, 2014	Apr 30, 2014	0.229918
May 01, 2014	May 30, 2014	0.223556
Jun 02, 2014	Jun 30, 2014	0.222202
Jul 01, 2014	Jul 31, 2014	0.214826
Aug 01, 2014	Aug 29, 2014	0.213488
Sep 02, 2014	Sep 30, 2014	0.212060
Oct 01, 2014	Oct 31, 2014	0.210698
Nov 03, 2014	Nov 28, 2014	0.208272
Dec 01, 2014	Dec 31, 2014	0.206626
Jan 02, 2015	Jan 30, 2015	0.194388
Feb 02, 2015	Feb 27, 2015	0.192331
Mar 02, 2015	Mar 31, 2015	0.186315
Apr 01, 2015	Apr 30, 2015	0.185133
May 01, 2015	May 29, 2015	0.167263
Jun 01, 2015		0.166123

AX Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	0.000000
Aug 01, 2007	Aug 31, 2007	0.000000
Sep 04, 2007	Sep 28, 2007	0.000000
Oct 01, 2007	Oct 31, 2007	0.000000
Nov 01, 2007	Nov 30, 2007	0.000000
Dec 03, 2007	Dec 31, 2007	0.000000
Jan 02, 2008	Jan 31, 2008	0.000000
Feb 01, 2008	Feb 29, 2008	0.000000
Mar 03, 2008	Mar 31, 2008	0.000000
Apr 01, 2008	Apr 30, 2008	0.000000
May 01, 2008	May 30, 2008	0.000000
Jun 02, 2008	Jun 30, 2008	0.000000
Jul 01, 2008	Jul 31, 2008	
Aug 01, 2008	Aug 29, 2008	0.000000
Sep 02, 2008	Sep 30, 2008	0.000000
Oct 01, 2008	Oct 31, 2008	0.000000
Nov 03, 2008	Nov 28, 2008	0.000000
Dec 01, 2008	Dec 31, 2008	0.000000
Jan 02, 2009	Jan 30, 2009	0.000000
Feb 02, 2009	Feb 27, 2009	0.000000
		0.000000
Mar 02, 2009	Mar 31, 2009	0.000000
Apr 01, 2009	Apr 30, 2009	0.000000
May 01, 2009	May 29, 2009	0.000000
Jun 01, 2009	Jun 30, 2009	0.000000
Jul 01, 2009	Jul 31, 2009	0.000000
Aug 03, 2009	Aug 31, 2009	0.000000
Sep 01, 2009	Sep 30, 2009	0.000000
Oct 01, 2009	Oct 30, 2009	0.000000
Nov 02, 2009	Nov 30, 2009	0.000000
Dec 01, 2009	Dec 31, 2009	0.000000
Jan 04, 2010	Jan 29, 2010	0.000000
Feb 01, 2010	Feb 26, 2010	0.000000
Mar 01, 2010	Mar 31, 2010	0.000000
Apr 01, 2010	Apr 30, 2010	0.000000
May 03, 2010	May 28, 2010	0.000000
Jun 01, 2010	Jun 30, 2010	0.000000
Jul 01, 2010	Jul 30, 2010	0.000000
Aug 02, 2010	Aug 31, 2010	0.000000
Sep 01, 2010	Sep 30, 2010	0.000000
Oct 01, 2010	Oct 29, 2010	0.000000
Nov 01, 2010	Nov 30, 2010	0.000000
Dec 01, 2010	Dec 31, 2010	0.000000
Jan 03, 2011	Jan 31, 2011	0.000000
Feb 01, 2011 Mar 01, 2011	Feb 28, 2011 Mar 31, 2011	0.000000
	· · · · · · · · · · · · · · · · · · ·	0.000000
Apr 01, 2011 May 02, 2011	Apr 29, 2011 May 31, 2011	0.000000
Jun 01, 2011	Jun 30, 2011	0.000000
Jul 01, 2011	Jul 29, 2011	0.000000
Aug 01, 2011	-	0.000000
Aug 01, 2011	Aug 31, 2011	0.000000

AX Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.000000
Oct 03, 2011	Oct 31, 2011	0.000000
Nov 01, 2011	Nov 30, 2011	0.000000
Dec 01, 2011	Dec 30, 2011	0.000000
Jan 03, 2012	Jan 31, 2012	0.000000
Feb 01, 2012	Feb 29, 2012	0.000000
Mar 01, 2012	Mar 30, 2012	0.000000
Apr 02, 2012	Apr 30, 2012	0.000000
May 01, 2012	May 31, 2012	0.000000
Jun 01, 2012	Jun 29, 2012	0.000000
Jul 02, 2012	Jul 31, 2012	0.000000
Aug 01, 2012	Aug 31, 2012	0.000000
Sep 04, 2012	Sep 28, 2012	0.000000
Oct 01, 2012	Oct 31, 2012	0.000000
Nov 01, 2012	Nov 30, 2012	0.000000
Dec 03, 2012	Dec 31, 2012	0.000000
Jan 02, 2013	Jan 31, 2013	0.000000
Feb 01, 2013	Feb 28, 2013	0.000000
Mar 01, 2013	Mar 29, 2013	0.000000
Apr 01, 2013	Apr 30, 2013	0.000000
May 01, 2013	May 31, 2013	0.000000
Jun 03, 2013	Jun 28, 2013	0.000000
Jul 01, 2013	Jul 31, 2013	0.000000
Aug 01, 2013	Aug 30, 2013	0.000000
Sep 03, 2013	Sep 30, 2013	0.000000
Oct 01, 2013	Oct 31, 2013	0.000000
Nov 01, 2013	Nov 29, 2013	0.000000
Dec 02, 2013	Dec 31, 2013	0.000000
Jan 02, 2014	Jan 31, 2014	0.000000
Feb 03, 2014	Feb 28, 2014	0.000000
Mar 03, 2014	Mar 31, 2014	0.000000
Apr 01, 2014	Apr 30, 2014	0.000000
May 01, 2014	May 30, 2014	0.000000
Jun 02, 2014	Jun 30, 2014	0.000000
Jul 01, 2014	Jul 31, 2014	0.000000
Aug 01, 2014	Aug 29, 2014	0.000000
Sep 02, 2014	Sep 30, 2014	0.000000
Oct 01, 2014	Oct 31, 2014	0.000000
Nov 03, 2014	Nov 28, 2014	0.000000
Dec 01, 2014	Dec 31, 2014	0.000000
Jan 02, 2015	Jan 30, 2015	0.000000
Feb 02, 2015	Feb 27, 2015	0.000000
Mar 02, 2015	Mar 31, 2015	0.000000
Apr 01, 2015	Apr 30, 2015	0.000000
May 01, 2015	May 29, 2015	0.000000
Jun 01, 2015		0.000000

AP Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.999237
Sep 04, 2007	Sep 28, 2007	0.998189
Oct 01, 2007	Oct 31, 2007	0.997081
Nov 01, 2007	Nov 30, 2007	0.995904
Dec 03, 2007	Dec 31, 2007	0.994590
Jan 02, 2008	Jan 31, 2008	0.992687
Feb 01, 2008	Feb 29, 2008	0.991707
Mar 03, 2008	Mar 31, 2008	0.990488
Apr 01, 2008	Apr 30, 2008	0.988383
May 01, 2008	May 30, 2008	0.985600
Jun 02, 2008	Jun 30, 2008	0.911825
Jul 01, 2008	Jul 31, 2008	
Aug 01, 2008	Aug 29, 2008	0.909300
Sep 02, 2008	Sep 30, 2008	0.906693
Oct 01, 2008	Oct 31, 2008	0.902558
Nov 03, 2008	Nov 28, 2008	0.900680
Dec 01, 2008	Dec 31, 2008	0.899504
Jan 02, 2009	Jan 30, 2009	0.897351
		0.896341
Feb 02, 2009	Feb 27, 2009	0.894879
Mar 02, 2009	Mar 31, 2009	0.891235
Apr 01, 2009	Apr 30, 2009	0.878976
May 01, 2009	May 29, 2009	0.877938
Jun 01, 2009	Jun 30, 2009	0.875670
Jul 01, 2009	Jul 31, 2009	0.872993
Aug 03, 2009	Aug 31, 2009	0.870184
Sep 01, 2009	Sep 30, 2009	0.867465
Oct 01, 2009	Oct 30, 2009	0.864917
Nov 02, 2009	Nov 30, 2009	0.862371
Dec 01, 2009	Dec 31, 2009	0.860432
Jan 04, 2010	Jan 29, 2010	0.857744
Feb 01, 2010	Feb 26, 2010	0.856495
Mar 01, 2010	Mar 31, 2010	0.854107
Apr 01, 2010	Apr 30, 2010	0.853242
May 03, 2010	May 28, 2010	0.850864
Jun 01, 2010	Jun 30, 2010	0.849968
Jul 01, 2010	Jul 30, 2010	0.848934
Aug 02, 2010	Aug 31, 2010	0.847460
Sep 01, 2010	Sep 30, 2010	0.844965
Oct 01, 2010	Oct 29, 2010	0.843970
Nov 01, 2010	Nov 30, 2010	0.842704
Dec 01, 2010	Dec 31, 2010	0.841750
Jan 03, 2011	Jan 31, 2011	0.839590
Feb 01, 2011	Feb 28, 2011	0.838566
Mar 01, 2011	Mar 31, 2011	0.836163
Apr 01, 2011	Apr 29, 2011	0.835140
May 02, 2011	May 31, 2011	0.760505
Jun 01, 2011	Jun 30, 2011	0.758272
Jul 01, 2011	Jul 29, 2011	0.756038
Aug 01, 2011	Aug 31, 2011	0.721829

AP Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.719549
Oct 03, 2011	Oct 31, 2011	0.717034
Nov 01, 2011	Nov 30, 2011	0.716517
Dec 01, 2011	Dec 30, 2011	0.714189
Jan 03, 2012	Jan 31, 2012	0.712555
Feb 01, 2012	Feb 29, 2012	0.711756
Mar 01, 2012	Mar 30, 2012	0.709680
Apr 02, 2012	Apr 30, 2012	0.708856
May 01, 2012	May 31, 2012	0.707821
Jun 01, 2012	Jun 29, 2012	0.706498
Jul 02, 2012	Jul 31, 2012	0.689728
Aug 01, 2012	Aug 31, 2012	0.680476
Sep 04, 2012	Sep 28, 2012	0.570123
Oct 01, 2012	Oct 31, 2012	0.570099
Nov 01, 2012	Nov 30, 2012	0.569489
Dec 03, 2012	Dec 31, 2012	0.568860
Jan 02, 2013	Jan 31, 2013	0.568215
Feb 01, 2013	Feb 28, 2013	0.567576
Mar 01, 2013	Mar 29, 2013	0.566998
Apr 01, 2013	Apr 30, 2013	0.544745
May 01, 2013	May 31, 2013	0.544265
Jun 03, 2013	Jun 28, 2013	0.544241
Jul 01, 2013	Jul 31, 2013	0.543582
Aug 01, 2013	Aug 30, 2013	0.480236
Sep 03, 2013	Sep 30, 2013	0.479788
Oct 01, 2013	Oct 31, 2013	0.479326
Nov 01, 2013	Nov 29, 2013	0.478874
Dec 02, 2013	Dec 31, 2013	0.478431
Jan 02, 2014	Jan 31, 2014	0.477325
Feb 03, 2014	Feb 28, 2014	0.476883
Mar 03, 2014	Mar 31, 2014	0.475745
Apr 01, 2014	Apr 30, 2014	0.475214
May 01, 2014	May 30, 2014	0.474768
Jun 02, 2014	Jun 30, 2014	0.474327
Jul 01, 2014	Jul 31, 2014	0.431027
Aug 01, 2014	Aug 29, 2014	0.430582
Sep 02, 2014	Sep 30, 2014	0.430131
Oct 01, 2014	Oct 31, 2014	0.429674
Nov 03, 2014	Nov 28, 2014	0.429226
Dec 01, 2014	Dec 31, 2014	0.428765
Jan 02, 2015	Jan 30, 2015	0.428284
Feb 02, 2015	Feb 27, 2015	0.427841
Mar 02, 2015	Mar 31, 2015	0.427440
Apr 01, 2015	Apr 30, 2015	0.426918
May 01, 2015	May 29, 2015	0.426466
Jun 01, 2015		0.426022

B1 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.999017
Sep 04, 2007	Sep 28, 2007	0.998021
Oct 01, 2007	Oct 31, 2007	0.996950
Nov 01, 2007	Nov 30, 2007	0.995940
Dec 03, 2007	Dec 31, 2007	0.994925
Jan 02, 2008	Jan 31, 2008	0.993900
Feb 01, 2008	Feb 29, 2008	0.992868
Mar 03, 2008	Mar 31, 2008	0.991826
Apr 01, 2008	Apr 30, 2008	0.990774
May 01, 2008	May 30, 2008	0.989714
Jun 02, 2008	Jun 30, 2008	
Jul 01, 2008	Jul 31, 2008	0.988650
Aug 01, 2008	Aug 29, 2008	0.987577
Sep 02, 2008	Sep 30, 2008	0.986497
Oct 01, 2008	Oct 31, 2008	0.985410
Nov 03, 2008	Nov 28, 2008	0.984314
Dec 01, 2008	Dec 31, 2008	0.983212
Jan 02, 2009	Jan 30, 2009	0.982102
		0.980977
Feb 02, 2009	Feb 27, 2009	0.979839
Mar 02, 2009	Mar 31, 2009	0.978693
Apr 01, 2009	Apr 30, 2009	0.977541
May 01, 2009	May 29, 2009	0.976381
Jun 01, 2009	Jun 30, 2009	0.975213
Jul 01, 2009	Jul 31, 2009	0.974028
Aug 03, 2009	Aug 31, 2009	0.972819
Sep 01, 2009	Sep 30, 2009	0.971616
Oct 01, 2009	Oct 30, 2009	0.970384
Nov 02, 2009	Nov 30, 2009	0.969131
Dec 01, 2009	Dec 31, 2009	0.967859
Jan 04, 2010	Jan 29, 2010	0.966567
Feb 01, 2010	Feb 26, 2010	0.965241
Mar 01, 2010	Mar 31, 2010	0.963887
Apr 01, 2010	Apr 30, 2010	0.962859
May 03, 2010	May 28, 2010	0.962859
Jun 01, 2010	Jun 30, 2010	0.962859
Jul 01, 2010	Jul 30, 2010	0.962859
Aug 02, 2010	Aug 31, 2010	0.962859
Sep 01, 2010	Sep 30, 2010	0.962859
Oct 01, 2010	Oct 29, 2010	0.962859
Nov 01, 2010	Nov 30, 2010	0.962859
Dec 01, 2010	Dec 31, 2010	0.962859
Jan 03, 2011	Jan 31, 2011	0.962859
Feb 01, 2011 Mar 01, 2011	Feb 28, 2011 Mar 31, 2011	0.962859
Apr 01, 2011	Apr 29, 2011	0.962859
May 02, 2011	May 31, 2011	0.962859
Jun 01, 2011	Jun 30, 2011	0.962859
Jul 01, 2011	Jul 29, 2011	0.962859
	-	0.962859
Aug 01, 2011	Aug 31, 2011	0.962859

B1 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.962859
Oct 03, 2011	Oct 31, 2011	0.962859
Nov 01, 2011	Nov 30, 2011	0.962859
Dec 01, 2011	Dec 30, 2011	0.962859
Jan 03, 2012	Jan 31, 2012	0.962859
Feb 01, 2012	Feb 29, 2012	0.962859
Mar 01, 2012	Mar 30, 2012	0.962859
Apr 02, 2012	Apr 30, 2012	0.962859
May 01, 2012	May 31, 2012	0.962859
Jun 01, 2012	Jun 29, 2012	0.962859
Jul 02, 2012	Jul 31, 2012	0.962859
Aug 01, 2012	Aug 31, 2012	0.962859
Sep 04, 2012	Sep 28, 2012	0.962859
Oct 01, 2012	Oct 31, 2012	0.962859
Nov 01, 2012	Nov 30, 2012	0.962859
Dec 03, 2012	Dec 31, 2012	0.962859
Jan 02, 2013	Jan 31, 2013	0.962859
Feb 01, 2013	Feb 28, 2013	0.962859
Mar 01, 2013	Mar 29, 2013	0.962859
Apr 01, 2013	Apr 30, 2013	0.962859
May 01, 2013	May 31, 2013	0.962859
Jun 03, 2013	Jun 28, 2013	0.962859
Jul 01, 2013	Jul 31, 2013	0.962859
Aug 01, 2013	Aug 30, 2013	0.962859
Sep 03, 2013	Sep 30, 2013	0.962859
Oct 01, 2013	Oct 31, 2013	0.962859
Nov 01, 2013	Nov 29, 2013	0.962859
Dec 02, 2013	Dec 31, 2013	0.962859
Jan 02, 2014	Jan 31, 2014	0.962859
Feb 03, 2014	Feb 28, 2014	0.962859
Mar 03, 2014	Mar 31, 2014	0.962859
Apr 01, 2014	Apr 30, 2014	0.962859
May 01, 2014	May 30, 2014	0.962859
Jun 02, 2014	Jun 30, 2014	0.962859
Jul 01, 2014	Jul 31, 2014	0.962859
Aug 01, 2014	Aug 29, 2014	0.962859
Sep 02, 2014	Sep 30, 2014	0.962859
Oct 01, 2014	Oct 31, 2014	0.962859
Nov 03, 2014	Nov 28, 2014	0.962859
Dec 01, 2014	Dec 31, 2014	0.962859
Jan 02, 2015	Jan 30, 2015	0.962859
Feb 02, 2015	Feb 27, 2015	0.962859
Mar 02, 2015	Mar 31, 2015	0.962859
Apr 01, 2015	Apr 30, 2015	0.962859
May 01, 2015	May 29, 2015	0.962859
Jun 01, 2015		0.962859

B2 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.999017
Sep 04, 2007	Sep 28, 2007	0.998021
Oct 01, 2007	Oct 31, 2007	0.996950
Nov 01, 2007	Nov 30, 2007	0.995940
Dec 03, 2007	Dec 31, 2007	0.994925
Jan 02, 2008	Jan 31, 2008	0.993900
Feb 01, 2008	Feb 29, 2008	0.992868
Mar 03, 2008	Mar 31, 2008	
Apr 01, 2008	Apr 30, 2008	0.991826
May 01, 2008	May 30, 2008	0.990774
Jun 02, 2008	Jun 30, 2008	0.989714
Jul 01, 2008	Jul 31, 2008	0.988650
Aug 01, 2008	Aug 29, 2008	0.987577
Sep 02, 2008	Sep 30, 2008	0.986497
Oct 01, 2008	Oct 31, 2008	0.985410
	· · · · · · · · · · · · · · · · · · ·	0.984314
Nov 03, 2008 Dec 01, 2008	Nov 28, 2008 Dec 31, 2008	0.983212
	•	0.982102
Jan 02, 2009	Jan 30, 2009	0.980977
Feb 02, 2009	Feb 27, 2009	0.979839
Mar 02, 2009	Mar 31, 2009	0.978693
Apr 01, 2009	Apr 30, 2009	0.977541
May 01, 2009	May 29, 2009	0.976381
Jun 01, 2009	Jun 30, 2009	0.975213
Jul 01, 2009	Jul 31, 2009	0.974028
Aug 03, 2009	Aug 31, 2009	0.972819
Sep 01, 2009	Sep 30, 2009	0.971616
Oct 01, 2009	Oct 30, 2009	0.970384
Nov 02, 2009	Nov 30, 2009	0.969131
Dec 01, 2009	Dec 31, 2009	0.967859
Jan 04, 2010	Jan 29, 2010	0.966567
Feb 01, 2010	Feb 26, 2010	0.965241
Mar 01, 2010	Mar 31, 2010	0.964145
Apr 01, 2010	Apr 30, 2010	0.963117
May 03, 2010	May 28, 2010	0.963117
Jun 01, 2010	Jun 30, 2010	0.963117
Jul 01, 2010	Jul 30, 2010	0.963117
Aug 02, 2010	Aug 31, 2010	0.963117
Sep 01, 2010	Sep 30, 2010	0.963117
Oct 01, 2010	Oct 29, 2010	0.963117
Nov 01, 2010	Nov 30, 2010	0.963117
Dec 01, 2010	Dec 31, 2010	0.963117
Jan 03, 2011	Jan 31, 2011	0.963117
Feb 01, 2011	Feb 28, 2011	0.963117
Mar 01, 2011	Mar 31, 2011	0.963117
Apr 01, 2011	Apr 29, 2011	0.963117
May 02, 2011	May 31, 2011	0.963117
Jun 01, 2011	Jun 30, 2011	0.963117
Jul 01, 2011	Jul 29, 2011	0.963117
Aug 01, 2011	Aug 31, 2011	0.963117

B2 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.963117
Oct 03, 2011	Oct 31, 2011	0.963117
Nov 01, 2011	Nov 30, 2011	0.963117
Dec 01, 2011	Dec 30, 2011	0.963117
Jan 03, 2012	Jan 31, 2012	0.963117
Feb 01, 2012	Feb 29, 2012	0.963117
Mar 01, 2012	Mar 30, 2012	0.963117
Apr 02, 2012	Apr 30, 2012	0.963117
May 01, 2012	May 31, 2012	0.963117
Jun 01, 2012	Jun 29, 2012	0.963117
Jul 02, 2012	Jul 31, 2012	0.963117
Aug 01, 2012	Aug 31, 2012	0.963117
Sep 04, 2012	Sep 28, 2012	0.963117
Oct 01, 2012	Oct 31, 2012	0.963117
Nov 01, 2012	Nov 30, 2012	0.963117
Dec 03, 2012	Dec 31, 2012	0.963117
Jan 02, 2013	Jan 31, 2013	0.963117
Feb 01, 2013	Feb 28, 2013	0.963117
Mar 01, 2013	Mar 29, 2013	0.963117
Apr 01, 2013	Apr 30, 2013	0.963117
May 01, 2013	May 31, 2013	0.963117
Jun 03, 2013	Jun 28, 2013	0.963117
Jul 01, 2013	Jul 31, 2013	0.963117
Aug 01, 2013	Aug 30, 2013	0.963117
Sep 03, 2013	Sep 30, 2013	0.963117
Oct 01, 2013	Oct 31, 2013	0.963117
Nov 01, 2013	Nov 29, 2013	0.963117
Dec 02, 2013	Dec 31, 2013	0.963117
Jan 02, 2014	Jan 31, 2014	0.963117
Feb 03, 2014	Feb 28, 2014	0.963117
Mar 03, 2014	Mar 31, 2014	0.963117
Apr 01, 2014	Apr 30, 2014	0.963117
May 01, 2014	May 30, 2014	0.963117
Jun 02, 2014	Jun 30, 2014	0.963117
Jul 01, 2014	Jul 31, 2014	0.963117
Aug 01, 2014	Aug 29, 2014	0.963117
Sep 02, 2014	Sep 30, 2014	0.963117
Oct 01, 2014	Oct 31, 2014	0.963117
Nov 03, 2014	Nov 28, 2014	0.963117
Dec 01, 2014	Dec 31, 2014	0.963117
Jan 02, 2015	Jan 30, 2015	0.963117
Feb 02, 2015	Feb 27, 2015	0.963117
Mar 02, 2015	Mar 31, 2015	0.963117
Apr 01, 2015	Apr 30, 2015	0.963117
May 01, 2015	May 29, 2015	0.963117
Jun 01, 2015		0.963117

B3 Certificate Writedown Free Factor Chart

<u>From</u>	<u>To</u>	Writedown Free Factor
	Jul 31, 2007	1.000000
Aug 01, 2007	Aug 31, 2007	0.999017
Sep 04, 2007	Sep 28, 2007	0.998021
Oct 01, 2007	Oct 31, 2007	0.996950
Nov 01, 2007	Nov 30, 2007	0.995940
Dec 03, 2007	Dec 31, 2007	0.994925
Jan 02, 2008	Jan 31, 2008	0.993900
Feb 01, 2008	Feb 29, 2008	0.992868
Mar 03, 2008	Mar 31, 2008	0.991826
Apr 01, 2008	Apr 30, 2008	0.990774
May 01, 2008	May 30, 2008	0.989714
Jun 02, 2008	Jun 30, 2008	
Jul 01, 2008	Jul 31, 2008	0.988650
Aug 01, 2008	Aug 29, 2008	0.987577
Sep 02, 2008	Sep 30, 2008	0.986497
Oct 01, 2008	Oct 31, 2008	0.985410
Nov 03, 2008	Nov 28, 2008	0.984314
Dec 01, 2008	Dec 31, 2008	0.983212
Jan 02, 2009	Jan 30, 2009	0.982102
	-	0.980977
Feb 02, 2009	Feb 27, 2009	0.979839
Mar 02, 2009	Mar 31, 2009	0.978693
Apr 01, 2009	Apr 30, 2009	0.977541
May 01, 2009	May 29, 2009	0.976381
Jun 01, 2009	Jun 30, 2009	0.975213
Jul 01, 2009	Jul 31, 2009	0.974028
Aug 03, 2009	Aug 31, 2009	0.972819
Sep 01, 2009	Sep 30, 2009	0.971616
Oct 01, 2009	Oct 30, 2009	0.970384
Nov 02, 2009	Nov 30, 2009	0.969131
Dec 01, 2009	Dec 31, 2009	0.969131
Jan 04, 2010	Jan 29, 2010	0.969131
Feb 01, 2010	Feb 26, 2010	0.969131
Mar 01, 2010	Mar 31, 2010	0.969131
Apr 01, 2010	Apr 30, 2010	0.969131
May 03, 2010	May 28, 2010	0.969131
Jun 01, 2010	Jun 30, 2010	0.969131
Jul 01, 2010	Jul 30, 2010	0.969131
Aug 02, 2010	Aug 31, 2010	0.969131
Sep 01, 2010	Sep 30, 2010	0.969131
Oct 01, 2010	Oct 29, 2010	0.969131
Nov 01, 2010	Nov 30, 2010	0.969131
Dec 01, 2010	Dec 31, 2010	0.969131
Jan 03, 2011	Jan 31, 2011	0.969131
Feb 01, 2011	Feb 28, 2011	0.969131
Mar 01, 2011	Mar 31, 2011	0.969131
Apr 01, 2011	Apr 29, 2011	0.969131
May 02, 2011	May 31, 2011	0.969131
Jun 01, 2011	Jun 30, 2011	0.969131
Jul 01, 2011	Jul 29, 2011	0.969131
Aug 01, 2011	Aug 31, 2011	0.969131

B3 Certificate Writedown Free Factor Chart

From	То	Writedown Free Factor
Sep 01, 2011	Sep 30, 2011	0.969131
Oct 03, 2011	Oct 31, 2011	0.969131
Nov 01, 2011	Nov 30, 2011	0.969131
Dec 01, 2011	Dec 30, 2011	0.969131
Jan 03, 2012	Jan 31, 2012	0.969131
Feb 01, 2012	Feb 29, 2012	0.969131
Mar 01, 2012	Mar 30, 2012	0.969131
Apr 02, 2012	Apr 30, 2012	0.969131
May 01, 2012	May 31, 2012	0.969131
Jun 01, 2012	Jun 29, 2012	0.969131
Jul 02, 2012	Jul 31, 2012	0.969131
Aug 01, 2012	Aug 31, 2012	0.969131
Sep 04, 2012	Sep 28, 2012	0.969131
Oct 01, 2012	Oct 31, 2012	0.969131
Nov 01, 2012	Nov 30, 2012	0.969131
Dec 03, 2012	Dec 31, 2012	0.969131
Jan 02, 2013	Jan 31, 2013	0.969131
Feb 01, 2013	Feb 28, 2013	0.969131
Mar 01, 2013	Mar 29, 2013	0.969131
Apr 01, 2013	Apr 30, 2013	0.969131
May 01, 2013	May 31, 2013	0.969131
Jun 03, 2013	Jun 28, 2013	0.969131
Jul 01, 2013	Jul 31, 2013	0.969131
Aug 01, 2013	Aug 30, 2013	0.969131
Sep 03, 2013	Sep 30, 2013	0.969131
Oct 01, 2013	Oct 31, 2013	0.969131
Nov 01, 2013	Nov 29, 2013	0.969131
Dec 02, 2013	Dec 31, 2013	0.969131
Jan 02, 2014	Jan 31, 2014	0.969131
Feb 03, 2014	Feb 28, 2014	0.969131
Mar 03, 2014	Mar 31, 2014	0.969131
Apr 01, 2014	Apr 30, 2014	0.969131
May 01, 2014	May 30, 2014	0.969131
Jun 02, 2014	Jun 30, 2014	0.969131
Jul 01, 2014	Jul 31, 2014	0.969131
Aug 01, 2014	Aug 29, 2014	0.969131
Sep 02, 2014	Sep 30, 2014	0.969131
Oct 01, 2014	Oct 31, 2014	0.969131
Nov 03, 2014	Nov 28, 2014	0.969131
Dec 01, 2014	Dec 31, 2014	0.969131
Jan 02, 2015	Jan 30, 2015	0.969131
Feb 02, 2015	Feb 27, 2015	0.969131
Mar 02, 2015	Mar 31, 2015	0.969131
Apr 01, 2015	Apr 30, 2015	0.969131
May 01, 2015	May 29, 2015	0.969131
Jun 01, 2015		0.969131